

**VHF-UHF
DIGEST**
the official publication of the Worldwide TV-FM DX Association

APRIL 1978

THIS MONTH



**BOOTLEG
TV**

**NOAA
WEATHER
RADIO**



Cuba

***may
get***

***US
shows***



**ITS
LOUISVILLE
IN '78**

FROM THE STAFF

**WTFDA HQ,
PO box 202, whiting, in 46394**

In the last page of the January 1978 issue, Clarke Ingram, in his farewell statement attacked the International Radio Club of America for their publication policy. The comments and opinions stated were Clarke Ingram's and not of the WTFDA staff. Many of the WTFDA members are also members in IRCA, including myself and were shocked by such an irresponsible statement.

The sole purpose of a DX organization is to serve the DXer. Serving the DXer means getting the latest information out on time, quality is important but as any Journalist-Broadcast major should know; deadlines come first. An editor reaches for the highest quality possible but he must meet the deadline.

The International Radio Club of America publishes 34 issues a year, weekly during the ECB DX season. Rarely has IRCA had a late or hard to read DX MONITOR, its official publication. This attests to the high quality of work given to DX MONITOR by the IRCA Publishing Staff.

Frank Aden, Jr., editor-in-chief

ITS LOUISVILLE IN 1978!...The WTFDA membership have selected Louisville the site for '78. Hosts Ted Fleischaker, Wayne Murphy and Bob Walker are now working to make WTFDA's 1978 Convention one of the best. More details later.

NORTHERN FM-DX...Bruce Goldsen is the new editor for this column. All reports should be sent to Bruce at 27 Spruce Hill Rd., Georgetown CT 06829. Lets all give him the support he needs.

SOTHERN FM-DX...Danny Buntin has been chosen to the editorship for SFM. All reports should be sent to him at 1020 S. Duncan, Stillwater OK 74074. Lets see DIXIE rise again!

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MAILBOX

John Zondio
6617 Maryland
Hammond, IN 46323
(219) 844-8694
Deadline: 10th

New Members:

Robert A. Coburn
Pierre Daigle
Lt. Michael P. Hollis
Donald Ratajczak
Robert Steadman
Leopold Taylor

RFD 4, 4 Tinkham Lane
1017 DuLong-Sault
7401A Gardner Hills
1012 Hillsdale Ave.
2758 S. Wentworth Ave.
1657 Topping Ave.

Londonderry, NH 03053
Ste. Poy, PQ G1W 3Z8
Fort Campbell, KY 42223
Parma (Briggs P.O.), OH
Milwaukee, WI 53207 /44134
Bronx, NY 10457

Renewals:

Ken Blair, Fred W. Born, Jr., Tom Cornell, Emile Courcy, Richard Culin, David Curvin, William Eckberg, Don Erickson, Wayne Fitzgerald, Bill Frahm, William Hepburn, David Leibold, R.E. Lyons, Henry McCoy, Frank Merrill, Fred Nordquist, Jim Pizzi, Les Price, Theodore Quiroz, L. Donald Richard, John Robertson, Allen Rockford, James Shepherd, Jr., Craig Simons, Dennis Smith, Richard Steinlenger, Verrell Tallet, Peter V. Taylor, Steve West.

Rejoins:

James T. Morris-1848 A4 Colonial Arms Circle-Virginia Beach, VA 23454
Gerald Pulice-143 Gibson Ave.-Staten Island, NY 10308

Address Changes:

Richard Clark-872B Don Quixote-Orlando, FL 32807
Alan Hobson-210 Alfred St. #3-Ottawa, ON K1L 6W4
Frank Merrill-P.O. Box 5693-Toledo, OH 43613
A. Robert Pantazes-7600 Monmouth Ave.-Margate, NJ 08402 (till June 1, 1978)
Craig Simons-431 Niagara Boulevard-Fort Erie, ON L2A 3H2

Renewals Due in May:

Thomas Adams, Roy Barstow, Donald Birch, D. Blemaster, John Boyle, Joe Bradley, Don Davis, David Egan, Jim Gill, Robert Goodman, Warren Greenberg, Lew Quinn, William Higgs, Roger Horie, Paul Kalisz, George Kesteven, Eldon Luoma, Alan Mayer, Lowell McCown, Charles Mylod, David Nelson, Rod O'Connor, Marv Robbins, Bruce Shaw, Sheldon Swartz, Cary Walsh, Jeff Wolf, Jim and Karen Young, Robert Zent.

New Member ROBERT A. COBURN DXs the public service bands with a Bearcat 210 and a Regency Touch scanner. Robert is a 36 year old college professor.

The main DX interest of PIERRE DAIGLE is FM, for which he uses a McIntosh MR-78 tuner. Pierre heard about the club from Dr. Bruce Elving in the FM Atlas.

The DX gear of MICHAEL HOLLIS includes a Zenith color TV and a Channel Master Crossfire 3617 antenna with a Blonder Tongue preamp. Michael learned of the club in Communications World.

Looks like some of our new publicity is working! DONALD RATAJCZAK literally heard about the club on Radio Nederland's DX Jukebox program. Donald uses a Sony 5" Black and White TV and a Sony 19" Trinitron TV.

From the home of the Brewers, Bucks, and Admirals comes ROBERT STEADMAN. He's also interested in shortwave and BCE DX, and belongs to IRCA, NRC, and NASWA. Robert's shack features a DX160, an RF-2200, and a TRF.

Tidbits.....

Such a deal we have for you! Webster Radio, Inc., writes that they have an overstock on the Yaesu FRC-7 communications receiver. The unit lists for \$315, but they're selling it for \$245 plus shipping charges and 6% sales tax for California residents. For more info, call Webster at 1-800-344-2198 (1-209-224-5111 in California), or write to them at 2602 E. Ashlan, Fresno, CA 93726. Be sure to mention that you're a member of WTFDA.

Member Don Davis has a novel idea.....it's called the 'QSL Bureau'. Don is enlisting the help of WTFDA, NRC, and IRCA members in helping fellow DXers verify those hard to verify stations. All it requires is a little time to hand-deliver a follow-up reception report to your local stations. Don needs people who will "manage" an area, or in other words, someone who will take reports to certain stations if they do not verify in a reasonable time. It's advised that members send reports as normal, and if no verie is received in 60 days, a follow-up report can be sent to the manager for that station, and the manager will take it to the station and ask them to verify it. If you have a few stations you'd like to "manage", or if you'd like further information, write to Don at 107 Oakdale Drive, Warner Robins, GA 31093.

an index of the VUD's from May '72 to December '77. Also, if someone would let him borrow VUDs before May 1972, he'd like to make an index for the mimeo issues. If you can help Michael out, write to him at 4126 Nobis Drive, Davenport, IA 52802.

This reintro is from Roosevelt Crawford (3337 Milledgeville Road Lot #143, Augusta, GA 30909): "My primary interest is FM. My equipment consists of a Sansui 5500 receiver, Sansui SS-20 headphones, Pioneer CS-88A speakers, a Zenith Trans-Oceanic, an Archer preamp, and an Archer Stereo Supreme West antenna with no rotor at 25'. I get most Atlanta FM class B/C including WRAS 88.5 with local channel 6 on the air (5-10 mi.), WKLS 96.1 beside local WLOW 95.9 (20-25 mi.), WVEE 103.3 beside local WZZM (15-20 mi.). I also get Chattanooga educationals (88.9, 89.7) about 85% of the time. I would greatly appreciate it if you could tell me the gain of the stereo supreme antenna. I wrote to Radio Shack in Fort Worth, but was told they had no information on this antenna."

Good to have Randy Dorman back in the club! Randy is a 15 year old student interested in TV, PSB, and shortwave DX. His DX gear includes a DX-160, a Realistic Pro-16A scanner, and a Sharp 2W-52 TV.

Some kind words in from Frank Wheeler (6589 Wattsburg Rd., Erie, PA 16509): "I've enjoyed the Digest every year, even though I'm not much of a TV DXer. You fellows do a great job. I know it takes a lot of time to make out your columns, and you deserve a lot of credit. '77 was a pretty good year for DX, that is as far as receiving many skip stations, for that matter more than ever received but kind of disappointing in getting new ones. The Canadians sure are goofing up the UHF part of the band with their unidentifying stations. May all of you have a good DX year. A little skip in December and January 1. KCKT 2 received in December and KPRC 2 on January 1, two old reliables. I've received KCKT most of any distant station down through the years. I've gotten them 102 times since 1959."

Anyone with connections upstairs? From Earle Lyons (2864 W. Bay Drive, Largo, FL 33540): "I am sending a check for another year, but wonder if I should. There has not been any FM DX here for over a year, so if you know who to talk to, tell them to turn it on again."

How about dropping an encouraging line to one of the great DXers in WTFDA history? This from Dennis Smith (50 Manzanita Way, Paradise, CA 95969): "About the time I turned over the Western TV DX column to Doug Everitt a couple of years ago, I was afraid I was losing interest in DXing, after all these years. It seems odd--I had for years looked forward to the time I could be settled down, finally, and could set up a real DXing system. Now that I am settled, and have been for a couple of years now, my DXing interest and enthusiasm slipped. I still don't seem to have the interest in getting back into it. However, on the slight chance that I still have a little interest, I am renewing WTFDA membership for another year." Dennis was a column editor from the inception of the club to the time he turned Western TV DX over to Doug Everitt.

Now these words of interest from William Hepburn (5659 Highland Ave., Niagara Falls, ON L2G 4X2): "This will be my third year of TV DXing. For Christmas I received a General Electric 7-2959A 6 band radio with AM, FM, 30-50 MHz PSB, 108-135 MHz air, 135-175 MHz PSB, UHF. This radio is a fairly good DX catcher. On FM, even now during the winter using the 31" whip, CFMP Peterborough at 95 miles is a full-time station. Stations from Rochester and Erie PA are also full-time. When the DX season comes along, I will mainly just be interested in the aircraft band (especially 108-118 navigational) and the 157-162 marine band and NOAA weather radio stations. I will use the low-PSB to keep track of E-skip MUFs. Currently, TV and longwave are the only bands that I keep a log for. I also DX medium wave and shortwave as well. I have reached 1300 miles on longwave and 3000 miles on medium wave. My farthest TV station logged is KIII 3 Corpus Christi TX at 1,485 miles. My farthest tropo is WTHI 10 Terre Haute IN at 495 miles. The storm that hit our area on January 26 caused some minor damage to our yagi, which will be repaired shortly."

We have a couple former members rejoining this month, James Morris and Gerald Pulice. James says, "I am presently living in Virginia and while I have only an indoor antenna, I would like to join again (if only to see what others are doing!)." And from Gerald: "I was a member from 1968 to 1976, when I let my subscription lapse, due mainly to preoccupation with grad school (EE) and work." Good to have you both back in WTFDA!

For those of you interested in ordering back issues of the VUD, here's a list of what we have in stock and how many are left: 1973- December 1. 1974- September 2. 1975- January 9, February 5, March 4, April 10, May 9, June 9, July 9, August 5, September 7, October 8, November 2, December 7. 1976- January 1, February 5, March 8, April 4, June 5. 1977- July 5, August 4, September 10, October 14, November 24, December 40. 1978- January 52, February 59. The policy here is that VUDs for any month are sent out as samples until we have 15 left, then those are saved for back issue orders. Well, that's it from here till May.....73.....jz

FCC FM NEWS

Bruce F. Elving, Editor
18 1/2 East Fifth Street
Duluth MN 55805

New Stations Granted

CA Lompoc 100.9 3000 h.v.; 30'; m
CA Santa Clara KSCU '89.1, p 10 w College
CA Thousand Oaks '91.1 & 4750 h.v.; 1275'
CA Willits & Longvale K288J 105.5 2 out-
puts; 1 watt total; \$; g KEAR 97.3 San
Francisco translator. The K288J trans-
mitter site is 39-30-50; 128-05-50. I
like to give the locations in geographi-
cal coordinates for translators, because
their locations are often hard to find
on maps.

CO Cortez 97.9 100000 h.v.; 1310'
KS Liberal 99.3 2700 h.v.; 320'; k
KY Jeffersonville 101.7 3000 h.v.; 300';
an initial decision, so expect it will
take a while for this one to come on.
LA New Orleans '89.1 10 Baptist Seminary
MD Grasonville (on Island E. of Annapolis)
103.1 3000 h.v.; 300' ~~MI~~ Frankfurt 99.3
MI Traverse City '90.9 101 3000 h.v.; 300' m
MN Minneapolis WMDJ '89.7 & 10w
MS Collins 101.7 3000 h.v.; 300'; m
MO Ballwin KLLA '89.9 & 10 w ON AIR, 5 p.m.
to 10 p.m. Mon.-Fri. YMOA station
NV Las Vegas '89.5 19460; -8'; c j +B, SCA
NY Pittsburgh '91.1 10 State U. of NY
TN Jackson 103.1 3000 h.v.; 300'; s; Initial
decision, TN Trenton 97.7 3000 h.v.; 240'
TX Prairie View '88.3 9800 h, 8600 v; 410'
TX Terrell Hills 106.3 3000 h.v.; 300'
VA Norfolk '91.7 960 watts; 117' Norfolk St.
WI Superior 102.5 29700 h.v.; 993' 8, k, N
BC Atlin 93.9 3 watts; CFMB repeater
ON Kenora 98.7 38000 h.v.; 328'; CBC-AM
YT James Corner (about 100 mi SE of
Whitehorse, north of Atlin) 16 watts,
CFMB rebroadcast; the Yukon's first FM!

On Air and DX Ready (presumed)

AZ Parker KMOX 99.3 3000 h.v.; -140'
FL Orlando WFTU '89.9 10
KS Dodge City KINF '91.9 10; Calls, too
KY Falmouth WNRK 95.3 3000 h.v.; 300' m
MI Boyne City WCLX 93.5 1175 h.v.; 455'
MN St. Louis Park KDXL '91.7 10 r, no \$
NE Lincoln KZUM '89.5 10
NM Taos KXRT 99.3 3000 h.v.; -655'; calls
changed from KTAS
NY Albany WCOB '90.9 10, p
TX Station KJAK 92.7 3000 h.v.; 300'
ON Drillia C80D 105.9, heard testing
without ID's, 8640 h.v.; 497'

On Air with Changes (selected)

OH Cleveland WWWW 105.7 27000 h.v.; 900'
PA Philadelphia WUSL 98.9 18000 h.v.; 830'
WY Riverton KWCW '88.1 3000 h.v.; 145'

Deletions

NV Ely K288AQ 105.5 (KSFT translator)
NV Las Vegas KRUD '90.9
SCA (continued from bottom of next col.)
LA Hammond W61J 103.3 Mutual network.
LA Lake Charles KLCJ-FM 99.5 no SCA
ME Portland WGAN-FM 102.9 music

Facilities Changes

AL Mobile WHIL '91.3 100000 h.v.; 210'
(from 10 watts)
AL Tuscaloosa WTUG-FM 92.7 1450 h.v. (430')
AZ Sierra Vista KTAZ 100.9 30000 h.v.; 46'
AK Juneau KTOO '104.3 1400 h.v.; -1043'
CA Hemet KHSJ-FM 105.5 3000 h.v.; -245'
CA Los Angeles KBCA 105.1 18000h.v.; 2900'
CA Jackson KING 94.3 230 h.v. (1090')
CA Santa Cruz KZSC '88.1 1250 h.v.; 470'
CO Denver KLIR 100.3 100000 h.v.; 330'
FL Cleiston WAFB 106.3 180' (3000 h.v.)
GA Carrollton WGGC from 89.3 to '90.5
168 w horizontal; 82'
IL Rock Island WVIK '88.5 100000 h,
89000v; 480' (from 91.1, 10 watts)
MA Worcester WCUW '91.3 270 h, 170v; 145'
MI Grand Rapids WVRG '104.1 adds v
MN Minneapolis KTIS-FM '98.5 deletes v
MO Moberly KRES 104.7 100000 h.v.; 480'
NY Buffalo WBFO '88.7 21500 h.v.; 240';
directional with 20 miles primary, 57
secondary, except toward Canada where
coverages remain 14, 56 kilometers.
OH Cleveland WMMJ 100.7 32000 h.v.; 600';
giving up cp for 7700 h.v.; 1060'
OR Orlorio KXBO 96.1 27000 h.v.; 400'
TX Beaumont KVLV '91.3 40000 h.v.; 450'
TX Killeen KIXS-FM 93.3 100000 h.v.; 520'
UT Ogden KQAB 101.1 25000 h.v.; 3740'; with
transmitter to be 18 miles SW of Salt
Lake City. NH St. Cloud KQLO-FM 104.7 440'
PR Fajardo WMDQ-FM 96.5 50000 h.v.; 870'; \$
BC Canal Flats, new grant announced last
month, frequency left out: 97.3 (120watts
horizontal; 787').
ON Sault Ste. Marie CKCY-FM 104.3 100000
OR Eugene KLCG '89.7 9500 h.v.; 720'
Stereo, or to be Stereo
CA Modesto KROP 104.1
ID Sun Valley KSKI-FM 93.5, m (SCA for
telemetry only) ~~IL~~ Lockport WURA
IL Champaign WPCD '88.7 r 288.1, gr
IN Indianapolis WRFT '91.5 heard testing, r
IA Centerville KMG0 98.7 ~~NY~~ Canandaigua
IA Lehigh KZLL 99.3, ~~WFLC~~ 102.3, k
MN Collegeville KJLJ '89.1
NO Florissant KSCF 97.1; testing in \$
PA Greensburg WUKU 101.1; SCA has talking
book at times and duplicates WUKU main
carrier the rest of the time.
ON Peterborough CKOM 105.1

DUAL-CITY IDENTIFICATION

TX Station K8DL adds Corpus Christi (103.3)

SCA (67 kHz) Activities

AL Birmingham Physicians Radio Network is
supposed to be here--on WENN-FM 107.77
AK North Pole KJMP-FM 100.3 "negotiating
with FCC to be in (AM station relay)"
AR Lake Village KLYA 95.9 adds SCA
FL Tallahassee WQMD 103.1 " " "
IL Bloomington WING 101.5 " " "
LA Baton Rouge WBFM 102.5 no SCA; no SCA
heard on any Baton Rouge station!

MA Boston WBZ-FM 106.7 music ~~MA~~ Worcester
MA Brookline WBOS 92.9 music ~~WSRS~~ 86.1
MA Lowell WSSH 99.5 no SCA ~~(talk/weather)~~
MA Lynn WLYN 101.7 ethnic (Chinese)
MA Plymouth WPLM-FM 99.1 music
MA Taunton WRLM 93.3 music
MA Waltham WCRB 102.5 music
MS Jackson WJMI no SCA; '93-100' nonID[pauses
MS Jackson WZZQ 102.9 music (Muzak?) with /
MS Greenville WDMS 100.7 adds SCA
MI Berrien Springs WAUS '90.7 adds SCA
MI Holland WJBL-FM 94.5 adds SCA
MO Jefferson City KJFF 105.9 music
MO St. Louis KMMU '90.7 talking book (same
as WMMY East St. Louis IL, but poorer audio
quality, they say)
MT Missoula KODT 93.3 adds SCA
NH Manchester WZLD 103.7 music
NY Lake Success WTFM 105.5 telemetry only
NY New York WNYC-FM '93.9 occasional talk,
music. WRFM 105.1 adds SCA
NO Grand Forks KKQO-FM 92.9 no SCA
PA Ebensburg W1YQ 99.1 no SCA
PA Johnstown WJAC-FM 95.5 music
PA Pittsburgh WPEZ 94.5 Muzak
MOVE 102.5 no SCA
PA Uniontown WQPR 99.3 no SCA [main channel
TN Jackson WKJR 104.1 ABC networks; pr on /
TN Memphis WLYX '89.3 talking book; rj on
main channel; strict non-IDer, using "FM-
89," even on the hour when call letters
should also have been used!
TN Memphis WZZR 102.7 Physicians Radio
Network; "FM-103," and "Rock 103" non-IDer
TN Memphis WQUD 104.5 no SCA r (not m) on
main channel; "FM-104" used + many ID's.
RI Providence WPRO-FM 92.3 music
WBUR 95.5 music
TX Austin KASE 100.7 has rock music on SCA1
TX Corpus Christi KSIX-FM 93.9 no SCA
KZFM 95.5 no SCA
TX Lubbock KLUJ-FM music; dual-city IDs as
"Lufkin-Macodoches"
UT Logan KUSU '91.1 talking book for blind
WV Fairmont WFGM 97.9 adds SCA
WV Wheeling WKWV-FM 97.3 music; rock on main
channel (from m)

Nonidentifications (or "aliases")

IN Pendleton WHEM '91.5 Stereo 92
KY Paducah WKVQ 93, not a non-IDer, but
sometimes uses "FM-93" with its ID.
LA Lafayette KSMB 94.5 K-94
MS Meridian WDAL 101.3 Stereo 101, but has
many mentions of "Meridian" ~~TX~~ Lampasas
OH Centerville WCNT '91.9 FM-92KLD 99.3
OH London WSYX 106.3 W-6 ~~D-99~~
PA Charleroi WBFM 96.3 "WESA," in memory of
its former AM station's calls.
OH Youngstown WSRD 101.1 "The Wizard"
TX Austin KHFI 98.3 K-98
TX Clear Lake City KMLQ 102.1 Magic-102
TX College Station WTAW-FM 92.1 92-W
TX Houston KILT-FM 100.3 FM-100 (not a strict
non-IDer, however)

Formats/Networks

AR Arkadelphia KDEL 100.9 S (AP Audio)
 AR Hope-Prentiss KHPA 104.9 r; UPI Audio
 AR Hot Springs NXOW-FM 106.3 m
 GA Savannah WTOD-FM 94.1 E (from CBS)
 IL Chicago WEFM 99.5 r (from c)
 IL Moline WHIT 96.9 k (from m); ABC-FM
 IN Kokomo WHSK *89.1 r (not m)
 IN Indianapolis WFBQ 94.7 pr ("Q-95")
 IN Plymouth WTCA-FM 94.3 k (from r)
 IA Ames KPGY *91.9 p (expects & soon)
 IA Fort Dodge KKEZ 94.5 l
 IA Independence KOUR-FM 95.3 m
 IA Manchester K22AC 93.5 m
 IA Pella KPL 103.3 r (not m)
 IA Washington KCLL-FM 95.3 m
 IA Webster City KQMG-FM 95.9 r (m)
 KY Hopkinsville WKOA-FM 100.3 r (as)
 KY Mayfield WKID 94.7 m (from k)
 MD Cumberland WJSE 102.9 gk; no stereo.
 E; alias "Big Jesse".
 MN Alexandria KXRA-FM 92.7 m
 MS Clarksdale WJBI 101.7 r (not k)
 MS Cleveland WCLD-FM 103.9 r (not k);
 "Stereo 104."
 MS Greenwood WSWG-FM 99.1 m (not rs); Y
 MS Magee WJSC-FM 107.5 m (not r)
 OH Akron WKOD 96.5 pr (not r)
 OH Canton WTDF 98.1 U
 OH Cincinnati WSAI-FM 94.1 pr
 OH Lorain WZLE 104.9 Y
 OH New Philadelphia WNPQ 95.9 r (from g)
 "Quick-95," no & heard, but may just be
 a temporary stereo outage.
 OH Salem WSDM-FM 105.1 AP Audio
 OK Oklahoma City KOFM 104.1 Y
 OR Portland KOFM 100.3 r (from m)

Abbreviations and Readers' Reports

c classical, e ethnic, g gospel, j jazz, k country, m middle of the road, n news, p progressive rock, r rock oldies, mellow rock and top hits, s soul. Networks: A ABC-FM, C CBS, E ABC Entertainment, I ABC Information, M Mutual, N NBC, P National Public Radio, U United Press Audio, Y ABC Contemporary. & is stereo, h horizontal polarization; v vertical polarization; SCA is "subsidiary communications authorization."

Here's the latest in my continuing SCA problems, in the form of a letter from Atkinson, Mueller & Dean, attorneys at law, 845 Third Avenue, New York NY 10022, in a letter dated Feb. 17, 1978, "re Sino Radio Broadcasts Corp. v. F. M. Atlas."

Dear Sirs: "We are the attorneys for Sino Radio Broadcasts Corp., which produces Chinese radio programs, transmitting over a sub-carrier FM multiplex facility leased from WRVR, with approval of the Federal Communications Commission.

"It has come to our attention that you are selling adaptors which enables the purchaser to intercept the 'SCA' transmission of our client, a licensed broadcaster. This is a violation of Section 605 of the Federal Communications Act in that it is without authorization by our client. On behalf of our client, we demand that you cease selling these units. Your conduct in violation of Section 605 of the Federal Communications Act has made you liable to civil claims by our client and criminal prosecution by the U. S. authorities.

"We enclose for your information a bulletin from the FCC indicating their policy. This policy has continued to date and, in fact, there have been situations where the FCC has taken an active role in curbing these violations. Please be advised that our client is holding you liable for all damages sustained by virtue of your violation of its rights and will commence legal proceedings against you unless we receive written acknowledgment from you that you will cease this conduct."

My reply to this missive is still being formulated, and will appear in next month's column. Meanwhile I thank WTFDAer's Ted Fleischaker, Tom Cornell and John Ebeling for valuable advice and background information—all of which is being taken into consideration, along with appropriate legal advice that I have received.

Naughty doings in Whitehall MI are reported by Phil Boersma, who says WLRG and WLRQ 95.3 were levelled by fire Feb. 26, with arson being suspected. "The radio stations were losing so much money per week that they had to borrow money to meet the payroll. An apparent sale of the stations either fell through or was delayed indefinitely." WVAE 99.9 Charleston WV is said to be going rock and religious; rg. Richard Eddie says the new KBSH *90.1 Overland MO, Riteneour High School is on 3-5 pm M-F; same schedule as the new stereo station KLMA *89.9 Ballwin MO has; both 10-watters. He'd like to see, in an FM Atlas, an enlarged map for St. Louis and Kansas City like Chicago has.

PA Bradstock WFFM 96.9 r (not m); FCC gives ok to have a strange SCA—to control power on electrical use during peak hours; a nonbroadcast use of SCA that the FCC is allowing because of the energy crisis. I hope this experiment is a failure, before other stations use SCA so meaningfully (to the listener).

PA Pittsburgh WXXA 96.1 A (from UPI Audio)
 PA Scranton WVIA-FM *89.9 cn (news all night night—midnight to 8 a. m.)

TN Shelbyville WTCV 102.9 no network, but has ABC networks on its 67 kilz SCA

TX Austin KAZI *88.7 to be js, 24 hours

TX Abilene KCAN-FM 105.1 k (from m)

TX Corpus Christi KSIX-FM 93.9 ABC-FM

TX El Paso KPAS 93.9 pr (from go)

TX Fredericksburg KNAF-FM 101.1 UPI Audio

TX Houston KFMK 97.9 gr; UPI Audio

TX Laredo KOYE 94.9 UPI Audio

TX Mt. Pleasant KPXI 100.7 m (not r)

TX Macomb KJCS 103.3 E (from Y)

TX Victoria KCMW 95.1 U; *FM-95" non-ID

VA Manassas WEZR 105.7 (facilities) 33000

h.v; 590; same coverage as before.

WV Clarksburg WKWK 106.5 k (from r); SCA

music, non-ID as "WK-106."

WI Middleton-Wisconsin WYOM-FM 106.3 r (was

k); *90-106." WI Neenah WEMI 100.1 U, CALLS

WI Shell Lake WGMQ 95.3 Y

WI Sun Prairie WYXE 92.1 no network

WIS Winnipeg CJUN 101.5 pr (no c); &

Call Letters

AL Montgomery 92.3 WLMJ (was WKLH)

AZ Phoenix 95.5 KQYT (KRFM)

AR Berryville 107.1 KSCC (KAAM)

AR Siloam Springs 105.7 KMCK (KQOA-FM)

CA Borrego Springs *88.9 KBHS

CA Lake Arrowhead 103.9 KDIG

CA Red Bluff 95.9 KBLF-FM

CO Colorado Springs 93.9 KILQ (KPIK-FM)

FL Naples 92.7 WWCX (WWTU)

IL Chicago *88.1 WAEI (Lakeside Communications, 6945 S. Constance Ave., 60649)

IN Paoli 95.3 WUME-FM (WVAF-FM) TX Brady

IA Clear Lake 103.1 KZEV 95.3 KIXV

IA Sioux City *88.3 KMSC

KS Wichita 103.7 KEYN-FM (KEYN)

KY Madisonville 93.9 WKTE ("94-KTG"), r, (from WFWA-FM) [rock

MD Baltimore 104.3 WJTH-FM (WJQJ), m (from/

NY Bay Shore 95.3 WPOL [TX Rock Ar-

WI Anoka 107.9 KTWB-FM (KTRW) thur 98.5

WI Forest Lake 95.9 WLXX-FM *KHYS (KPAC-

MS McComb 105.7 WIXO (WTBI) [FM] — — —

MO Bethany 95.9 KAAH

MT Butte 94.1 KOPR (KBOM-FM) and translators

NH Hubble City 94.1 XYKK (KPDE)

ND Bismarck 92.9 KYYF-FM (KTYR-FM)

PA Canton 100.1 WKAD

TN Nashville 105.9 WKQB (WLAC-FM)

VT Windsor *89.5 WUPR (WUPA) [modern k.

WA Seattle 94.1 KMP5-FM (KEUT); keeps /

WI Eau Claire 100.7 WBIZ (WBIZ-FM)

DC Bennington 92.3 CBUD-FM (not CBUD);

affiliate of CBUD [AM] Castlegar BC.

BC Fort Fraser 102.9 CBXR-FM (not CBXR)

BC Houston 102.1 CBUR-FM (not CBUR)

ON Kingston 98.3 CFEY (from CHLC-FM), re-

quested permission to drop some 12 hours/ week of c in favor of more r and j, but denied by the CRTC.

PQ St. Fabien de Panet 96.5 CBV-5 (new calls for CBFD-FM); associated AM station [a low power relay transmitter] deletes,

An old issue of Hi-Music at Home from Sept., 1958 was sent by John Ebeling. In it, WLOL-FM 99.5 Minneapolis' program schedule and early history is given. WLOL-FM was then live classical announcing, with some jazz, including live remote broadcasts; now it is an automated m station, not usually even showing in the ratings. John then reviews the new Atlas: "The idea of reducing the print size of translators and 10-watters on the maps looks as if it worked out o.k. Some of the maps run close to the binding area and make for difficult reading. . . I am unhappy that you have dropped the 10watters and translators from the by-frequency list. As interesting as the logos are, they do not constitute a proper listing in the Atlas and take up a lot of room (or a total of 2 pages, 1 1/3 columns). This space would allow all 10w and translators to be properly listed in the freq. columns where I feel they should be. Granted, the info is contained in other portions of the Atlas, but it is much less convenient in my opinion. . . I, therefore, use the freq. list most extensively in the DX application." You can't believe all the time and aggravation it saved not having to type translators when doing the by-frequency list. I see your point, but feel strongly translators and 10-watters should be treated alike, and if you are inclined to "dig" to hear ten-watters and translators, you better really "dig" to find them in the Atlas. I feel I have succeeded in relegating them to the level of unimportance that they deserve, but still present the data for those who have to have it. John points out that he believes DX-ers are the main users of the book, but this is not true. Probably travelers and stereo owners are the main users—people, of course, who are potential DXers, and who have the opportunity to learn about the club through the "plug" given it in FMusings. KDXL*91.7 St. Louis Park MN, 10 w, is on 6 am to 9 pm M-F and 8 am to 1 pm Sat. WMOJ *89.7 Mpls. should be on around June 1, 1978.

Sarnia 106.3 and Chatham 95.1 are on the air, relaying CBE (AM), mono, no SCA (and no IDs?), WCOL-FM 92.3 is said to be about to switch to r from p (but still g in the mornings?). WSAI -FM 94.1 Cincinnati now rp, calling selves "Cincinnati's Best Rock." Michigan's Jim Hughes says WRNN -AM-FM Claire MI (95.3 FM) off the air (again). The most recent management has had financial difficulty trying to run the stations as Mt. Pleasant outlets. He's quite a Blaupunkt car radio fan, and his present 1972-vintage model is giving problems, and he's considering the signal-seeking model at about \$900. WBKV-FM 92.5 West Bend WI used to be the favorite FM station of Edward Isotalo, but since they've gone automation in the days he tunes them in less frequently. He says about my 1976 FMusings: "you shouldn't expect a car manufacturer to install grounds if you buy someone else's radio." He retorts: "A poorly-suppressed vehicle spreads this noise several hundred feet, which as you know is extremely annoying! Another noise maker is that seat belt buzzer which can be heard several hundred feet away, too." He'd like to see some FM stations at 100 kHz increments from each other—something like TV's offset spacing. Thus, WAUN 92.7 Kewaunee and WDUK-FM Waupaca WI 92.7 could have much less mutual interference if WAUN would go to 92.8.

Walter Kowalczyk, who works at WKKX 96.1 Pittsburgh PA, has many comments on the FM practices now common in the industry:

Stations turning on the stereo light without broadcasting stereo is really a fraud, second only to the fraudulent sound quality many stations put out. It's too bad the FCC dropped this proposal to turn it off for more than 5 minutes mono programming. It's too bad if educational stations (the ones who mostly influenced this decision) can't turn it off—they installed a stereo generator—they can install a pilot switch, too. The proposal ought to be reintroduced. We need someone at the FCC to listen to stations and cite them if they obviously sound bad (overprocessed), rather than rely on the station's proof of performance measurements. The distorting techniques ought to be outlawed, so FM can be hi fi again and stations can get back to competing on the basis of programming as it should be and not on loudness. Example: WKKX could sell \$10,000 worth of equipment and end up sounding a lot better. CPFL-FM 95.9 London ON simulcasts AM overnight, in mono, with the stereo light on. I like your publicizing of SCA and would like to see it made available for broadcasting to the general public in addition to its "private" use as laid out in current FCC regs. I dislike fully automated stations and believe they are not operating in the best public interest. I think that the percentage of automated or taped programming should be limited, as simulcasting was limited. . . in Pittsburgh [several stations] run various sound-distorting techniques, including running turntables 2% fast.

The FCC's performance standards are really out of date, allowing up to 3.5% distortion at some frequencies (while receiver makers have pushed it down to under 1%). Performance is to be measured from the main microphone input. (Where is the main microphone in a fully automated station? In a "live" DJ operation, what % of the programming originates from the mic?) Turntables and cart machines don't have to be measured, and can thus be run off speed and distorted. Country WPOC 93.1 Baltimore MD is another station employing a 3-band automatic equalizer, clipping, and cartridge of records. I like country, but their signal is unbearable! I do some FM DXing [20 states and one Canadian province]. . . You put out a fine publication, especially your editorial content, which I wish could be publicized to a greater extent, so that all those "idiots" out there (program directors who aim their programming in the way they do because they think the audience is so dumb) could know more of what radio is all about and the deceit, such as leaving stereo on during mono, that goes on.

Eric Norberg, KEX, and now with KQFM 100.3 Portland OR continues to champion "hi-fi" AM: "...though KQFM now sounds really astonishing under the audio direction of its new chief engineer, Donn Werrbach, and is BY FAR the best sounding FM station in the Northwest, it still can't compare with KEX. How can it? FM stations have that 75 microsecond preemphasis curve to fight, and the need to protect the 19 kHz pilot tone requiring rolloff above 15 kHz, and KEX has neither restriction. Our frequency response, studio through the transmitter and through the antenna system, is flat

FCC-FM

within 1 db from 20 to 23,000 cycles. On my Dymek tuner (and even more on my Miller crystal tuner) we sound astonishing. The only thing holding AM back is the archaic receiver technology, and adoption of any AM stereo system but Kahn's will force a radical updating of receiver technology and bring AM into its own as a high fidelity medium." This is all conjecture, and I cannot see us going back 30 years and holding out hope that AM will ever again be a medium to be tuned to for music. The police and public service stations long ago gave up on AM and shortwave—and that's only for voice communication! So why should the public be expected to return to AM for its news, its drama and its music when AM has been far eclipsed by such technologies as cable communications, color TV, FM and even SCA? KBSB #91.9 reports using the FM Atlas in its frequency search for higher power. "The power increase is waiting on type acceptance of the RF amplifier we plan to add to our present 10-watt transmitter. Not the standard plan, but if it passes, we'll double our coverage area for \$500 in equipment."

David Nordmann, St. Louis, who received an SCA unit from me, is one of several persons who have empathized with my plight with MN State Services for the Blind: "In regards to the politics of SCA, I feel as though the government is suppressing a very harmless thing. In fact, SCA has been an educational experience for both me and my wife. On WMRY-SCA they read the evening paper and talk with interesting people. The music isn't that good. We prefer KMOX-FM... SCA is interesting and I'd recommend it to all avid FM DXers!"

The owner of KVBR (AM) Brainerd tells why they gave up on trying to get 106.7 FM there: "We pulled out of the FM race here after we got down to a serious study of the cost of building and operating a 100 kw FM station. It just did not make any sense dollar-wise in this market. I was content to stay in the race until the final day because I did the work in applying so there was not much cost in applying—but when it looked like we might win in a hearing and then be forced to build an expensive plant we chickened out. There are 13 radio, TV, newspaper and shopper advertising media calling on Brainerd and area merchants right now—the 14th one certainly will make very little impact in this market."

Allen Rockford says in February CBCK Kingston 107.5 has been a real mess, due to the weather. "They've been on and off, at different frequencies on different days and sometimes jumping back and forth while listening to them. . . . At times it was almost on WTLB-FM 107.3 and others almost to WONO. . . . Park hasn't made his move yet, but rumors have a format change by June or July with automated country rock when they move to the WHEN studios in Liverpool (NY)." WONO has applied for 50000 h.v; 500', and is still c. Dr. Joel Rosenberg quotes newspaper reports as saying CBZ-FM 101.5 Frederic ton-St. John NB was to have come on the air in \$ Jan. 25. He says: "Canada has about 300 AM 'low power relay transmitters' (or LPRTs), all 40 watts with their own call signs. Thus, many of these FM stations have an AM counterpart." (Stations such as CBUR-FM Houston BC are like that.) Indiana's Ralph Strobel says he supports my DXing Constitution. "It all makes good sense to me," and he's working on a tape containing IDs of many of the 10-watt stations he's able to DX quite successfully. He says WBDG #90.9 Indianapolis rarely heard in Muncie, and wonders if they have a directional antenna, aimed away from him. He gets the lady 10-watts much better.

On AM stereo, Bill Thompson notes that WKBW (AM) says they'll be going \$ and Bill says: "AM stereo really strikes me as kind of a panic-reaction to the continuing success of FM... I doubt if the local rock outlets are really worried about WKBW's stereo plans." David Walcutt sent travel reports from MS-TX, and noted many nonIDers in the Memphis area and in northern MS. "If a station is in the Memphis area, you can assume it is a NON-IDer unless proven otherwise. The exceptions are something that WTFDAers in the Memphis area could report on." A CRTC person told K. W. Walter that all metro Canadian FM stations are stereo (except repeaters and low-power stations). This probably means the CKO- news stations are all in fraudulent stereo! He quoted a Wayne Charman, Ottawa office.

Richard Wood, who'll be in Europe this summer, sent an interesting Globe story on Bostonian FM. And the CRTC gives CFBC-FM 98.9 Saint John NB a new lease on life, granting them a licence for the station that they previously deleted (but allowed to remain on the air temporarily). The FCC tells me the Birmingham AL ten-watters on #91.1 will not be sharetimers. Apparently WJSR and WVUS are far enough apart in the city as not to interfere. Contributors this issue: Dwight Crabtree, Lafayette NY; Robert Baker, Humboldt IA; Phil Boersma, Spring Lake MI; Tom Cornell, Greentown IN; Mark Congiundi, S. Charleston WV; Richard T. Eddie, St. Louis MO; John Ebeling, Bloomington MN; Ted Fleischaker, Louisville KY; Robert L. Foxworth, New York NY; Kent Frandsen, KSXI-FM Sun Valley ID; David Grm, Akron OH; L. Haapana, Lujan UT; S. Thomas Hancock, N. Canton OH; Christian P. Hansen, Yonkers NY; Lewis Harrison, Flatville WI; Joel Hermann, Ames IA; James Hughes, Mt. Pleasant MI; Edward H. Isotalo, Appleton WI; Frank P. Karkota, Jr., Westford MA; Al Kopeck, Dundee NY; Walter Kozalczyk, North Huntingdon PA; Nicholas N. Lesonakis, Baltimore MD; Michael Marzullo, Alcester Manor WA; M.D., Murphy, M.D., Boston MA; Donald Nelson, KJNP-FM North Pole AK; Eric Norberg, KEX-KQFM Portland OR; Peter Nordgren, KESB Bendigo WI; David J. Nordmann, St. Louis MO; Charles B. Persons, KVBR Brainerd MN; Allen Rockford, Syracuse NY; Joel Rosenberg, M.D., Willowdale, Ont.; Rick Sanford, Burnet TX; Ralph Strobel, Muncie IN; Bill Thompson, Buffalo NY; Robert G. Thwaites, Madison WI; WCV Shelbyville TN; David L. Walcutt, now at 2828 Rogersdale #108, Houston TX 77042; M. Walker, KSCU Santa Clara CA; K.W. Walter, Toronto, Ont.; Mark Ward, WKJR Jackson TN; Dr. R.E. Wood, Plymouth NH.

**RADIO
STATION** **KVBR**
KVBR BUILDING
BRAINERD, MINNESOTA

VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 5th of month

APRIL 1978

Jeff Lord, XELGE, of Cuernavaca, Mexico via 20-m phone patch passes

2-28, 2115-2245 Z, 50.750 TV audio from New Zealand
2130 50.104 Hawaiian beacon (KH6EQI, c.w.)

Other 6-m highlights (via KG6JH, Guam; KH6IAA, Hilo, HI; KZ5NW, Canal Zone; et al.) Mar 2-3 Hawaii to Chile, Argentina, Japan, Australia, and New Zealand. Mid-late Feb, KZ5 nightly (TE) to Brazil, Argentina, Paraguay. Feb 24, 1900-2030 CST, XE to Argentina and Chile (TE); late Feb early March, KG6 almost daily to Japan, and tentative Japan to Chile (which, if so, would be the first time since the late 1950's)

Neil Dickerson, 426 State Street, Sharptown, MD 21861 Realistic PRO-1 with 30-50 MHz antenna at 40 feet; * taped; EST used

<u>2-8</u> :	1206, KME	585	39.82	Los Angeles, CA (city fire)
<u>12</u> :	1245, KMA	628	39.82	" (county police)
	1249, KRB	521	39.82	Altadena, CA (county police)
	1330, KRB	523	39.82	Temple City, CA * (county police)
	1345, KCU	751	33.70	Loleta, CA (fire)
	1410, KTG	484	33.70	Hawthorne, NV
	1430, KTS	672	39.02	Malibu, CA (county police)
	1435, KEP	615	33.70	Glendale, CA (LA City fire)
	1450, KCX	345	37.98	Pine Valley, CA (county police)
<u>15</u> :	1245, KPC	75	33.98	Santa Barbara, CA*(state fire)
	1246, KGV	28	33.98	San Luis Obispo, CA*(state fire)
<u>16</u> :	1201, KPB	66	33.98	Orange, CA (state fire)
	1215, KLB	98	33.98	Redwood City, CA (state fire)
	1330, KTE	347	33.44	Wendell, CA*(county fire)
	1338, KPB	337	37.98	Solana Beach, CA
	1520, KJG	936	39.82	Condon, OR (county police)
	1525, KOB	304	39.82	Pullman, WA (local government)
<u>17</u> :	1310, KMA	706	33.70	Los Angeles, CA (city fire)
<u>25</u> :	1315, KPC	42	33.98	Camino, CA (state fire)

Thomas J. Yingling, Jr., 221 Pinewood Road, Baltimore, MD 21222 Bearcat 101 and 210; "Big Stick" Shakespere CB half-wave collinear vertical 18' tall; all new except *; EST used

<u>1-28</u> :	1530,	-	35.66	Wilmington, DE (mobile phone)
	1545,	-	35.50	Philadelphia, PA (mobile phone)
	1600, KEA	860	35.22	New York, NY (voice ID pager)
	1601, KGC	223	35.22	Philadelphia, PA (voice ID pager)
<u>31</u> :	1624,	-	35.38	Los Angeles, CA (mobile phone)
	-	-	35.38	Sacramento, CA (mobile phone)
	-	-	35.46	Los Angeles, CA (mobile phone)
	1640,	-	35.46	San Diego, CA (mobile phone)
<u>2-1</u> :	1600,	-	35.26	Portland, OR (mobile phone)
	1615,	-	35.26	Bend, OR (mobile phone)
	1630,	-	35.38	Oakland, CA (mobile phone)
	1635, KKM	248*	35.58	Oklahoma City, OK (pager)
<u>2</u> :	1550,	-	35.38	Bakersfield, CA (mobile phone)
	1600,	-	35.38	Modesto, CA (mobile phone)
	1630,	-	35.26	Bellingham, WA (mobile phone)
	1700,	-	33.70	Los Angeles, CA (fire)
	1720, unID	-	33.76	(Spanish)
	1730, KGI	789	43.58	Ephrata, PA (voice ID pager)
	1800, KKV	200*	33.70	Metairie, LA (parish fire)
	-	-	33.86	Hammon, LA (parish fire)
	1830, KAA	754*	33.82	Minneapolis, MN (fire)

-cont-

7i 2230, - 47.14 Nottingham, PA (state highway, snow trucks)
 2340, - 47.28 Columbia, PA (county highway, snow trucks)
21i 1730-1800 unID 32.82, 32.61, 32.53 Spanish pagers
24i 1650, - 35.38 LA, CA-mp 32.82 Sp pager
 1733, - 35.22, 32.96, 32.68 Spanish pagers
 1759, - 30.02, 30.22, 30.42 English pagers (Canada, ed.)
25i 1200, - 32.82, 32.68, 34.15, 34.06 Spanish
 1400 - 35.46 LA, CA-mp 32.96 Sp pager
28i 1600 - 35.38 San Diego, CA-mp
 35.62 Alpine, TX-mp
 35.46 San Diego, CA-mp 35.38 Salinas, CA-mp
 32.96, 31.82, 32.81, 32.87, 32.72, 32.68 Spanish
 1700, - 38.86 Spanish (police ?)
 2050, KTD 310 33.94 Los Angeles, CA (city fire) 33.52/.48/.60 also
 KSU 411 33.44 San Bernardino, CA (county fire)

Bill Grant, 67 Brattle Street, Worcester, MA 01606 GMT

R-390A, longwire, 2nd harmonics from 19-m sw bc band
2-26i 1530, 30.25 Portugal 1800, 30.43 Portugal (RFE)
 1545, 30.36 Great Britain 30.51 "
 1555, 30.14 " 2215, 30.28 Asc. Is.?(BBC)
 1600, 30.80 Ascension Is.(BBC) 30.98 Asc. Is.?(BBC)
 1715, 30.68 Portugal 2-27i 2130, 30.52 Asc. Is.(BBC)
 1745, 30.21 Ascension Is.(BBC) 2-1i 1235, 30.39 Asc. Is.(BBC)

Tennelec MCP-1, Cobra PP-VHF monitor; Channel Master VHF TV;

Starduster CB - MUF's

2-26i 1340, 35.075 Italian to e 2-28i 2130, 43.22 English to w
 1705, 38.2 Spanish to s 43.8 Spanish to s
27i 2130, 36.6 English to w 3-1i 1740, 39.5 English to w
 39.0 Spanish to s 1750, 41.5 Spanish to s

"Still waiting for TV audio from France & England on 41.25 & 41.5. I've been surprised by the high MUF's. The next sunspot peak may surprise everyone."

Linda Brodsky, 245-16 149 Avenue, Rosedale, NY 11422 Bearcat 210 with built-in rod antenna; GMT used

2-6i 2120, - 35.38 Los Angeles, CA (mobile phone)
 2240, - 35.46 Oakland, CA (mobile phone)
7i 2110, - 35.38 LA, CA-mp
 2120, - 35.46 "
 2140, - 35.46 San Diego, CA-mp
13i 2100-2200 35.46 LA & San Diego; 35.38 LA
27i 2110, - 35.26 Eugene, OR-mp
28i 1730, KKT 531 33.18 Eldorado, TX (petroleum)
 35.26 Portland, OR-mp
 2030, - 35.38 LA, CA-mp
 2040, KRB 523 39.82 Temple City, CA (county police)
 others in LA area to 39.88
 2320, - 35.46 LA, CA-mp
3-1i 1800, - 39's LA area police
 2050, KKK 326 35.76 Los Indios, TX (business)

Al H. Ellis, 19 McClure Avenue, Brantford, Ontario, Canada N3R 4L7
 SP-600-JX-17, sent along a tape of his logging

2-28i 0850-0910 EST 6WW 33.90 Senegal, Africa (cw harmonic)

Feb 10.7-cm solar flux avg highest for any month (145) since Jan 1971, and highest for a Feb since 1970. No doubt that Cycle 21 is off to a lot better start than many expected a few years ago.

Reports thru various amateur newsletters note the increase in the TE (transequatorial) scatter mode being used on 2-m (144-148 MHz) with February providing Puerto Rico to Argentina and Japan to the northern part of Australia. These are all 3000-mile plus paths.

Now, my loggings. Hallicrafters SX-62, Hammarlund SP-600-JX-10; two 30' wires at 12' run ne-sw, nw-se; P2 unless noted (b-backscatter, e-Es); daily P2 MUF peaks noted; new underlined; GMT used

2-6:		2-22:	
1630 35.58		1759 6WW 33.90	Senegal, Africa-hac
1710 32 US		1806 WCC 33.86	S Chatham, MA-hac
2-7:		1812 KEG722 33.86	Ramsey, NJ-f
2117 KLP527 35.22	Honolulu, HI-tp	1840 KEC515 35.58	Albany, NY-tp
2135 low-33 US		KCC266 35.58	Springfield, MA-vp
2230 35.58		1843 37.88 US ne	
2-8:		1858 KCC957 33.70	Bethel, CT-f
1820 35.78	Brazil ?	1900 KEE873 33.86	Salem, NJ-cf
2025 35.22	US nw	1905 KCE457 33.86	Newtown, CT-f
2-9:		KJH232 33.78	Jackson, NJ-f
2125 31/ US		2-23:	
2218 KLP527		1659 KDC288 33.90	Hollis, NH-f
2300 39.16		KBZ283 33.90	Orford, NH-rf
2309 KPL936	Phoenix, AZ-tp(e)	1700 KCA695 33.78	Manchester, NH-f
2-10:	35.58	1724 KCE579 33.78	Keene, NH-f
1815 31/ US		1727 42.30	
2102 KLP527		1748 KCA627 33.50	N Easton, MA-f
2145 35.62(b)		KCA661 33.90	Carver, MA-f
2-11:		2-24:	
1845 30/ US		1645 40.67	
2115 35's(b)		1825 CWA 33.74	Uruguay-hac
32.82	Argentina ?	1828 KLD863 33.70	Rockland, ME-f
2-12:		1829 R Can 35.64	Sackville, NB-ha
1600 31/ US		1845 KKI445 35.58(b)	
2150 32.96	Argentina ?	2008 KLP527 35.22	
2-13:		2039 WCC 33.86	
1755 35.28	Argentina ?	2-25:	
2000 35.62(b)		1445 39.70	
2030 32 US		1640 low-33 US	
2-14:		2-26:	
2005 31/ US		1642 KCH209 33.96	Waterford, CT-f
2030 35.28	Argentina ?	1700 KCA410 33.92	Wareham, MA-f
2-15:		KCA695 33.78	
2015 40.67		KCD915 33.90	Wareham, MA-f
2-16:		1708 KSV810 33.08	
2104 KLP527		1704 KCC284 33.80	Tolland, CT-f
2110 35.78	Brazil ?	1714 KCD697 33.70	Provincetown, MA-f
2115 30.42	Canada	1716 6WW 33.90	
2-17:		1721 KUA288 35.22	Portland, OR-tp
1700 35.78	Brazil ?	1725 37.66 US	
1943 KSV810 33.08	Portland, OR-ho	1738 KOE257 35.22	Phoenix, AZ-tp(e)
2-18:		1922 WCC 33.86	
1718 hi-33 US		1930 42.30	
1736 39.62		2017 KOB683 33.98	Klamath Falls, OR-cpf
2-19:		2022 KIB278 33.84	Plymouth, NH-f
1610 38.85		2030 KOP303 35.46	Langley, WA-mp
1615 31/ US		2313 KSS922 33.10	Ipswich, MA-ambulance
1745 BBC 30.21	Ascension Is-ha	2341 KLP527 35.22	
2-20:		2-27:	
1639 39.18		0003 OK Cy 35.58	OK City, OK-vp(b)
2-21:		1553 KCC482 35.22	Concord, NH-vp
1740 37.000		1601 KCC672 33.90	S Windsor, CT-f
1705 low-33 US		1604 KCB979 33.90	Norwich, CT-f
2332 KKI445 35.58	Houston, TX-tp(b)	1659 6WW 33.90	
2-22:		1700 KCA378 33.82	New Haven, CT-f
1750 42.32		MCD582 33.70	Harvard, MA-f

2-27:				5-1:		
1703	KBG804	33.70	Oxford, CT-f	1715	KDB386	33.66 Pepperell, MA-f
1850	41.63			1720	CWA	33.74
1859	KDC288	33.90		1728	KEE909	33.78 Verona, NJ-f
	KBZ283	33.90		1730	KCA378	33.82
	KJR354	33.90	Seattle, WA-f	1732	KCC482	35.22
1900	KCA585	33.90	Plymouth, MA-f	1748	37.80	US ne
1918	37.84	US		1759	KDA583	33.90 Milford, NH-f
1939	KBH354	33.90	Rockvil Ctr, NY-f		KJY884	33.90 West Chester, PA-cf
1945	Seatl	35.26	Seattle, WA-mp			33.96
2001	KOP303	35.46			KGC755	33.90 Lancaster, PA-cf
2024	KCD472	33.94	WindsorLocks, CT-f	1800	6WW	33.90
2027	KCE576	33.70	PallsVillage, CT-vf	1915	KCA305	37.54 Eddington, ME-u
2029	KCB217	33.96	Niantic, CT-f	1943	45.13	
2046	KCE518	33.86	Shelton, CT-f	2010	KOP303	35.46
2054	KVA379	33.84	W Albany, NY-f	2011	KOA796	35.58 Portland, OR-tp
2100	KCC960	33.72	Bloomfield, CT-f	2136	KCI310	35.58 Bridgeport, CT-tp
	KCP325	33.70	Norfolk, CT-cf	2152	KEJ451	33.78
2125	KLF527	35.22		2201	KCC921	33.94 Old Lyme, CT-f
2139	KCD411	33.94	Unionville, CT-f	2202	KCD384	33.94 Manchester, CT-f
2142	KUB896	33.78	E Longmeadow, MA-f	2217	KCL540	33.90 Halifax, MA-f
2154	WCC	33.86		2218	KCE691	33.86 Weston, CT-vf
2300	KCP314	33.66	Tyngsborough, MA-f	2221	KCD453	33.90 Hanson, MA-f
	KCA627	33.50		2239	KCE579	33.78
	KCB951	33.70	Wells Beach, ME-f	2245	KCD497	33.64 BuzzardsBay, MA-f
2301	KIB278	33.84			KCP582	33.70 Thomaston, ME-f
2302	KFT468	33.96	Moultonboro, NH-f	2259	KDA381	33.90 Wilton, NH-f
2309	KDX459	33.50	Medway, MA-f	2301	KCD244	33.70 Falmouth, MA-f
2311	KCD246	33.58	S Yarmouth, MA-f	2306	KCC672	33.94
2-28:					KCE287	33.94
0000	OK Cy	35.58	(b)	2310	KCB364	33.70 Hubbardstown, MA-f
1455	6WW	33.90			KCE81.6	33.58 Southington, CT-f
1657	KDC288	33.90		2315	KDC288	33.90
1700	KCI233	33.66	Watertown, CT-f	2317	KCD454	33.94 Hyannis, MA-f
	KCA410	33.92		2325	KCD492	33.86
	KCC988	33.78	Rutland, VT-f	2328	KCD271	33.96
	KCA378	33.82		2330	KCD915	33.90
	KEE875	33.86		2331	KCD845	33.70
1702	KCG964	33.76	Terryville, CT-f	2345	KLF527	35.22
	KCE518	33.86				
	KCE288	33.76	W Tisbury, MA-cf			
1735	37.86	US				
2011	KOP303	35.46				
2230	46.95					
2257	KCG382	33.94	Warren, NJ-vf			
2259	KEP954	33.86	Mahwah, NJ-f			
	KCE287	33.94	Rocky Hill, CT-f			
2300	KCK457	33.86				
2303	KCD471	33.70	Wells, ME-f			
2305	KCC672	33.94				
	KCD594	33.62	Chatham, MA-f			
2319	KEJ451	33.78	Toms River, NJ-cf			
2325	KCG249	33.70	Southbury, CT-vf			
	KCC825	33.70	Kennebunk, ME-f			
2326	KCD492	33.86	Dennis, MA-f			
	KTJ537	33.86	Fairview, NJ-f			
2327	KCE527	33.70	Woodbury, CT-f			
2328	KCD271	33.96	Harwich, MA-f			
2329	KDB457	33.80	Vernon, CT-f			
2329	KBG804	33.70				
2330	KCP801	33.70	E Haven, CT-f			
	KCN689	33.54	Norfolk, MA-f			
2332	KCD845	33.70	Brewster, MA-f			
3-1:						
0000	KLF527	35.22				
1659	KCB526	33.70	Kennebunkport, ME-f			

KCC482 is now an "intermittent" voice message-ID (unlike OK City tape loop); KCC266 had just a loop ID

Feb 28 produced such weird things on Latin American repeaters as: 43.90 relaying 43.22 NYC pager; 45.13 with Kansas police; 46.15 with Wisc police -all indicating that MUF's well into the 40's were getting up north well.

Tnx to Tom Yingling for a new FCC list of 35-MHz pagers. It solved a 10-yr-old mystery of where KFL936 is. Maybe more when I check my old logs out a bit better.



QSL CORNER

Thomas J. Vingling, Jr.
221 Pinewood Road
Baltimore, MD 21222
Phone # 1-301-282-5649
Deadline: 10th

FM-QSL

5K	CBK	96.9	Regina, 1840 McIntyre St. Send letter, poster, & other info on CBC Radio. Signed by Doug Chase, Relations Manager. Aden
AL	WEGL	94.1	Auburn, Auburn University, 36830. Letter from David M. Petrucci, PD, "...was especially thrilled to hear of his reception in Canada." Sawatzky
CO	KXXX	95.7	Denver, Petroleum Club Bldg, 80202. Letter & sticker from Hue Beavers, CE, "...during the week of June 4-11, I received many reception reports from the northern part of the continent. Yours is the most factual & only one I have actually been 100% confident in. Others seemed to leave out programming details or other pertinent details." Sawatzky
CO	KAZV	106.7	Denver, 2149 S. Holly St, 80222. Letter, bumper stickers & coverage map from Girard M. Westenberg, Engineering in 5 days. Sawatzky
FL	WJCT	89.9	Jacksonville, 2037 Main St., 32206. Friendly letter in 1 week from Landon Walker, Dir of Program Operations. Also coverage-map & program skeds. Rogers
	WPCU	97.9	Winter Haven, P. O. Box 9206, 33880. Promp verie letter & color postcard from Garland Burt, Operations Director. Slogan is "Stereo 97, 100,000 nts All Day & All Night." Rogers
	WBOP	101.5	Pensacola, letter from Wayne Coleman, Manager, mentioning use of "vertical" antennas, which must be in error; even more strange is supposed reception of WBOP-FM in New Zealand & Greenwich, Iceland. Elving
	WBBO	92.3	Orlando, P. O. Box 1633, 32802. Letter in 12 days from Chalmers S. Stromberg, CE. Station has a beautiful music format. Swartz
IA	KFGD	99.3	Boone, 924 W. 2nd St. Letter from Anne Reiffenstein, Program Director in 10 days. "Our staff were all thrilled at this most unusual reception..." Sawatzky
KS	KCKJ	102.1	Hutchinson, 2627 E. 4th St, 67501. Very friendly letter in 7 days with 2 bumper stickers from Bobby Probst, CE Swartz
	KMJL	89.1	Wichita, 1751 N. Fairmont, 67208. Letter from James Sensenbach, CE in 8 days. "...first report I've gotten from that part of the continent." Sawatzky
	KVEZ	93.7	Salina, Box 180, 67401. Letter (lengthy) from Don Engelhart, CE WGDH. Describes his may experiences with E's on 2-meters. Sawatzky
MN	KNJJ	93.1	New Jlm. Send card signed by Gerald Watston, CE. Contained full details, with note at bottom for farrest report. Aden
	KDHL	95.9	Fairbault. Send card signed by J. E. Hyde, CE, send AM Card with date & time filled in for FM report. Aden
	KRDC	106.9	Rochester, 601 1st Ave, 55901. Letter & postcard from Robert W. Cross, Vice President of Engineering in 5 weeks. Sawatzky
	KYSM	103.5	Markato, 1807 Lee Blvd., 56001. Letter signed by Dick Siewers. Aden
NE	KBRX	92.7	O'Neill, P. O. Box 150. Send letter signed by Carlee Mathis, CE. Aden
NH	WDMH	97.5	Dover. Letter from Martin R. Lessard, Eng staff. Elving
NJ	WPST	97.5	Trenton. "Minnesota!!! We thought all that land just froze over last winter, sounds like your wagi isn't quite so modest." says Tom Taylo , program director, who believes this is the greatest distant to date. Elving
NY	WUUS	97.7	Hyde Park. Photocopy of my reception report returned, with a note-"This is correct, & I appreciate the letter. Thanks." Signed by John R. Gentling, Operations. Elving
	WBAI	99.5	New York. Specific verification from John H. Schmidt, CE, & the same morning the QSL came in the mail, I got a call from WBAI on the phone. They put me on the air, asking me about FM DX & to say a few words to urge the people in the NY area to send contributions to help out WBAI. I managed to sneak an FM Atlas plug in before getting cut off for giving a commercial. Elving
	WFLV	90.7	New York. Specific verification send by Frank A. Seitz, GM. Elving

Reporters are Frank Aden, Bend, OR; Peter Sawatzky, Waterloo, Ontario; Dave Rogers, Buffalo, OK; Shel Swartz, W. Palm Beach, FL; Frank Aden, Bend, OR; Bruce Elving, Duluth, MN for this all FM month. Next month will be all TV QSL's. I like to thank the members who report to this column, & also I like to have the members to vote for Baltimore, Maryland as the 1978 WFPDA Convention site. I & Don Stevens are the co-host if we get your support as you have supported to this QSL-Column since I had the job. I hope you help me out this time. 73's & thanks. Tom

April, 1978



ch 4 xlr of KGIN-11 Grand Island, Nebraska
1,000+ mile E-skip June 9, 1977 0345 EST
(Paul D. Traska, Buffalo NY)

Feature: June 6, 1977: a SLPER E-skip day

This month, PHOTO NEWS features Paul Traska's reception of double hop E-skip, and what was apparently a lowband VHF translator by E-skip, on the same day. At the left is a photo of the KGIN-11 slide Paul received on channel 4, and below it, the slide received after KUTV-2 signed off. These are the first photos of translator-by-Es and double-hop Es to be submitted to your editor in the nearly 4 years this column has existed. Since this year's E-skip season should soon be underway, we will devote this column entirely to E-skip. This month's photos should serve as examples of the DX which may be in store for us, and of why we should always have our cameras ready!

73 and good DX,

Jim



KUTV-2 Salt Lake City, Utah
1,690 mile double-hop E-skip 6/9/77, 0329 EST
(Paul D. Traska, Buffalo NY)



KOAA-5 Pueblo, Colorado
1,000 mile E-skip
(Ron Le Blanc, Marrero LA)



WJXT-4 Jacksonville, Florida
1,295 mile E-skip
(Buck Battin, Duluth MN)

MEMORABILIA

Robert J. Williams
251 6th Avenue East
Twin Falls, Idaho 83301
Phone: (208) 733-3621
Deadline: 5th of month

April 1978

This month, MEMORABILIA presents another old QSL and a memorable photo of WKBF-61 Cleveland, courtesy of Thomas J. Yingling of Baltimore MD. Many thanks, Tom!

WIBF-29
Philadelphia PA
(tropo) (now WTAF-29)



Radio

Confirming our QSO of

Ur. .. Mc AM-CW-2XSSB S

Xmtr

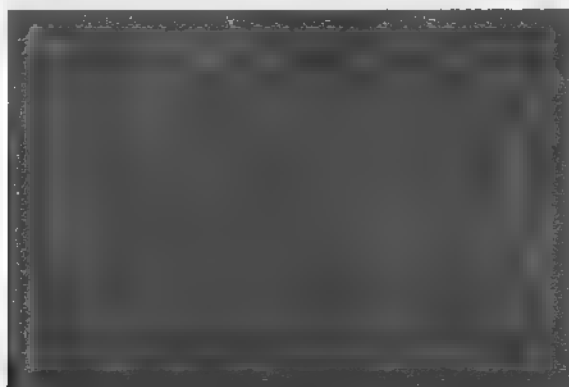
Rcvr

Remarks:

TO
AMATEUR RADIO STATION

PSE QSL TNX 73's

Printed by American Printing



WKBF-61 Cleveland OH
(now off)

Happy reminiscin' and keep 'em coming, guys!

73s, gud DX, Bob

EASTERN TV-DX

Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

April 1978

Deadline: 5th

Another unbelievably severe winter has held DX to a minimum in eastern North America. Although last year's record cold temperatures were not quite equalled in most areas, there have been disastrous winds and icing conditions, not to mention paralyzing snowfalls. The Northeast was (as you might expect) most affected, but almost all of the continent had weather problems of one kind or another.

The major jet streams, which determine both the path that major storms will follow and the development of tropo, are the cause of our generally poor DX conditions once again this year. Specifically, the stream that usually flows across the continental U.S. effectively "split in half" this winter, with one part going north, and the other crossing the South. The first half curved down again into the northeastern U.S. after dipping into north central Canada, and brought with it most of the worst weather. The halves came together again over the middle-Atlantic states, and the resulting flow has gone up the Eastern Seaboard into the Maritimes. All this activity prevented the classic mid-winter tropo opening that usually takes place in January along with a brief thaw in the northern Midwest and Northeast. At the same time, midwinter R-skip activity was very poor again this year.

The best thing we can say about the Winter of '78 is that it is over. As this month's column is being prepared, things are finally improving again!

Robert S. Ross, VE3JPC Box 4473, Station C London, Ontario (EST)

"This is my first report to EASTERN TV-DX. I am relatively new to TV DXing and to date have logged only 33 stns; all of these with indoor antennas. Equipment is a QB television with rabbit ears and small UHF loop. No Es as yet but plenty of tropo. I live in a 13th floor apartment so I have plenty of height. Hope to have some sort of outdoor antenna to stick on the balcony soon for the upcoming Es and tropo openings. I also DX FM, BCB, LW, SW and I am a ham.

Anyone out there know of some good but small VHF-UHF antennas for apartment dwellers? If so, please drop me a line. Following are my new logs for Feb.:"

<u>February</u>	5 Tr 0021	WKBW-7 NY	5 Tr 0100	GBLFT1-76 ON
5 Tr 0017	WUAB-43 OH	0038	WMLD-21 OH	8 2243
0020	WYTY-33 OH	0056	WKBN-27 OH	2309
				CKGN29-29 ON

Doug Long 5062 Drummond Road Niagara Falls, Ontario L2E 6B4 (EST)

"I have just recently joined WTPDA. At present I'm using a Panasonic 10" set with an indoor whip; for UHF I'm using a homebrew 'thing-a-majig' (at least it picks up DX). I hope to get something up I can DX with by summer. With a log at 105, my best tropo openings come from the southeast. Looks like John Combs had the same problem getting the equipment on the roof as I did."

<u>September</u>	<u>October</u>	<u>November</u>
1 Tr 0100	17 Es 2000	5 Tr 0100
0110	WUND-2 SC	CKWS-11 ON? T
0115	Columbia 650	0110
0116	2030	CKGN2-2 ON 148
WXXZ-7 MI	WBTV-3 NC	<u>December</u>
Detroit 205	Charlotte 575	3 Es 1750
WWJ-4 MI	1800	KARD-3 KS 1030
Detroit 205	WTVS-56 MI 205	1800
	1900	unIDs to ch 6
	WGPR-62 MI 205	1930
	1920	KOTA-3 SD 1205
	WKBT-48 ON 190	1940
		KTVQ-3 IA 725

Donald B. Ruland 4448 68th Place Kenosha, Wisconsin 53142 (CST)

<u>November</u>	15 Tr 0730	WKZZ-23 KY 370	16 Tr 0550	WUAB-43 OH 330
28 Es 1700	WKSQ-29 KY 420		WAKR-23 OH 330	
29 Tr 1925	WKOB-52 KY 330		0555	
WJBT-24 PA 400	0715	WTCI-45 TN	0600	
WQLN-54 PA 400	Chattanooga 530		KNOB-8 LA 750	
W5AH-63 OH 250	16 0530	KMOX-4 MO 300	0615	
	KPIR-11 MO 300		WVIZ-25 OH 330	
<u>December</u>	0535	KDNL-30 MO 300	0630	
15 Tr 0645	WFMJ-21 OH 380		WEGH-53 PA 430	
WHNT-19 AL 550	WTVV-33 OH 380		WOSU-34 OH 320	
WAAT-31 AL 550	0550	WJET-24 PA 400	0700	
WYUR-48 AL 560	WSEB-35 PA 400		W47AB-47 OH	
WIKY-32 KY 330	WKBN-27 OH 400		Mansfield 310	
WDRB-41 KY 330			(WOSU-34 x1tr)	
0700			WFFT-55 IN	
WZTV-17 TN 450			FL Wayne 180	
WTVK-26 TN 510			0730	
			WHBO-45 OH 360	
			26 Es 1700	
			CJBR-3 QB 1020	

Log at 453, with 3 new—missed super tropo later in day on 12-16 as seen by Bill Draeb.

William J. Draeb Ellis St. R.R.#2 Kewaunee, Wisconsin 54216 (GST)

"Not much DX during January--mostly just the 'usual stuff'...blizzard of the 26th dumped about ten inches of snow here with 50+ mph winds and ten foot drifts common. I know others had it worse."

January		20 Tr		1955 WKLB-46 KY 473	27 Tr	2036 WOSU-34 OH 395
12 Tr	0815 WPMJ-21 OH 420	21	0742 WKYT-27 KY 473			WMUL-33 WV 498
	WMBO-45 OH 406		1939 KINL-30 MO 432			WKLB-46 KY 473
	WOSU-34 OH 395	22	1007 WKYT-27 KY 473	29	1622 KINL-30 MO 432	
	WCHN-27 OH 420		1510 WKLB-46 KY 473		1657 WKYT-27 KY 473	
	WTTV-33 OH 420		1542 WMUL-33 WV 498		1659 WKSO-29 KY 538	
	1209 Erie U's 405		1901 KINL-30 MO 432			WKHA-35 KY? T
14	1900 KINL-30 MO 432		1929 WKYT-32 KY 473		1801 WKLB-46 KY 473	
	2135 WKYT-27 KY 473		1951 KCBJ-17 MO 450		1846 WMUL-33 WV 498	
17	1841 WKYT-27 KY 473	23	1802 WKYT-27 KY 473			WKON-52 KY 437
	1850 KINL-30 MO 432		WKLB-46 KY 473	31	1954 WKYT-27 KY 473	
	1857 KMFC-27 MO? T		1830 KINL-30 MO 432		2000 KINL-30 MO 432	
18	1937 WKLB-46 KY 473		1859 KCBJ-17 MO 450		2039 WKSO-29 KY 538	
	0734 KINL-30 MO 432		1901 KMFC-27 MO? T			WKHA-35 KY? T
	WKYT-27 KY 473	27	1830 KINL-30 MO 432			WKLB-46 KY 473
	1805 WKLB-46 KY 473		2011 WKYT-27 KY 473			WKLY-32 KY 437
19	0720 KINL-30 MO 432		2014 WKON-52 KY 437			
	1815 WKYT-27 KY 473		WKLY-32 KY 437			
	1834 WKLB-46 KY 473		2022 WKSO-29 KY 538			
20	1952 WKYT-27 KY 473		WKHA-35 KY? T			

"Not much DX seen during February. To sum it up briefly, KINL-30 was seen nearly every day but all the time very weak. There were also brief and occasional showings of WKYT-27, WKLY-32, WKLB-46 or WMUL-33. Ch 26 in Green Bay not on yet. WAUN-FM 92.7 back on air. They were off for two days because of equipment failure and not because there was no one to run the station as previously reported. I can't figure out why we didn't have a "January thaw" this year. I suppose it'll come next July, hi! 73's for now."

John F. Combs 2485 Ivan Ct. Orlando, Florida 32807 (EST)

November

8 Tr 2122 WKBA-14 SC 320

2123 WRJA-27 SC 373

2131 WVAN-9 GA? T

2149 WKOK-19 SC 392

9 0852 WABW-14 GA 244

WKBA-14 SC 320

0853 WDCO-15 GA 294

WJWJ-16 SC 290

WDHN-18 AL 301

0854 WANX-46 GA 403

0855 WCWB-41 GA 318

WATL-36 GA 403

0856 WGIQ-43 AL 329

Panama City V's

0857 WFTV-30 GA 403

0905 WRJA-27 SC 373

0910 WRLK-35 SC 385

2041 WATU-26 SC 337

WKBA-14 SC 320

WJWJ-16 SC 290

WRLK-35 SC 385

WKOK-19 SC 392

15 Bs 1715 XEZ-3 Gro 1315

1718 XHD-4 Tams 1135

1727 XHIV-4 DF

Mexico City 1295

1731 XEW-2 DF 1295

1745 XHGC-5 DF

Mexico City 1295

1827 unID-4 MEXICO

"Net-13 relay"

17 MS 0550 WGBS-2 NY 942

18 0212 KTW-3 PA 868

0217 WSYR-3 NY 1036

0358 unID-11 + or -

18 MS 0503 KYW-3 PA 868

0528 WKYC-3 OH 887

Tr 0540 WCIV-4 SC 309

MS 0548 WJRK-2 MI 965

Tr 0601 WITV-7 SC 309

0626 WJWJ-16 SC 290

0635 WKBA-14 SC 320

19 0957 WFSU-11 FL 230

1003 WDHN-18 AL 301

WYRA-38 GA 341

WTVY-4 AL 299

1004 Panama City V's

20 0013 ZNS-13 BAHAMAS?

"very tentative"

Bs 1600 YSU-4

EL SALVADOR 1160

YSR-2 E.S.? T

TGV-3 GUAT?

22 MS 0522 KDKA-2 PA? T

0526 WKYC-3 OH? T

0539 WNGB-2 TN

Nashville 604

0550 WGBS-2 NY 942

23 0521 KYW-3 PA 868

0528 WKYC-3 OH 887

0545 WGBS-2 NY 942

27 Tr 2200 Atlanta U's

WJSP-28 GA 357

WYRA-38 GA 341

WABW-14 GA 244

WDHN-18 AL 301

WDCO-15 GA 294

WGIQ-43 AL 329

WFSU-11 FL 230

2209 WCWB-41 GA 318

2339 WKIA-11 GA 405

28 MS 0539 KYW-3 PA 868

28 MS 0543 WTWO-2 IN? T

Tr 0554 WYRA-38 GA? T

MS 0600 WJRK-2 MI 965

Tr 0847 WTVY-4 AL

WABW-14 GA

WDCO-15 GA

WDHN-18 AL

WJSP-28 GA

WGIQ-43 AL

Atlanta U's

0945 WKAB-32 AL 394

WAIQ-26 AL 394

WCOV-20 AL 392

0949 WSFA-12 AL 380

1000 WCWB-41 GA 318

WCIO-7 AL

MT Cheaha 434

2215 WABW-14 GA

WJSP-28 GA

WYRA-38 GA

WCWB-41 GA

Atlanta U's

(except 17)

29 MS 0521 KYW-3 PA 868

0523 WKYC-3 OH 887

0524 WKZO-3 MI? T

0547 WJRK-2 MI 965

30 Bs 1620+ "In, but lack of time and inoperative rotor..."

December

2 Tr 1800 WABW-14 GA 244

1802 WDCO-15 GA 294

WCWB-41 GA 318

3 0704 WKBA-14 SC 320

WJWJ-16 SC 290

December

2 Tr	1800 WABW-14 GA 244
	1802 WDCO-15 GA 294
	WCWB-41 GA 318
3	0704 WKBA-14 SC 320
	WJWJ-16 SC 290

John F. Combs (continued)December

3 Tr 0800 WFSU-11 FL 230
0801 WYRA-38 GA 341
4 0745 WRBZ-33 LA 603
0749 "GA PW 14, 15"
0750 WJHM-18 AL 301
0755 WWL-4 LA? T
0819 KTVY-36 TX 997
WYRA-38 GA 341
0846 WLPB-27 LA
Baton Rouge 603
KDOG-26 TX 848
0855 KBDT-16 TX? T
0902 KFTV-39 TX 845
1000 WFSU-11 FL 230
2150 Panama City Vb
11 0835 WMBR-13 FL 263
13 MS 0537 WNGE-2 IN? T
0545 WJHK-2 MI 965
17 Tr 0807 WJHM-18 AL 301
0844 WYRA-38 GA 341
WGIC-43 AL 329
WABW-14 GA 244
0850 WCOB-41 GA 318
WJHG-7 FL 274

19 Tr 0805 WRBA-14 SC 320
WJWJ-16 SC 290
WNOK-19 SC 392
WNTV-29 SC 447
WJPM-33 SC 408
WHLK-35 SC 385
0808 WFBC-4 SC? T
0824 WTVK-26 TN? T
"another ABC w/WFVU"
0842 WATU-26 SC 337
0901 WOLQ-25 SC 380
WJJA-27 SC 373
0935 WTVY-4 AL 299
WJHM-18 AL 301
0939 WJHG-7 FL 274
0940 WABW-14 GA 244
0946 WGIC-43 AL 329
Bs 1755 WMAR-2 MD? T
1757 WUNC-4 NC
Chapel Hill 523
1803 WRC-4 DC
Washington 760
1820-1900 "away"
1902 "many unIDs"
1945 KPRC-2 TX 857

21 Bs 0834 WHBF-4 IL? T
0838 KTVQ-3 MO? T
0914 KQTV-2 MO 1089
KAMR-4 TX 1301
0953 KFDX-3 TX? T
0956 KMLD-2 TX 1267
1120 KSNW-3 NM
Portales 1482
"state # 30"
1129 KWAB-4 TX 1221
January
3 Tr 0900 Panama City Vb
WFSU-11 FL
1052 WCIV-4 SC 309
1142 WITV-7 SC 309
5 MS 0540 WGBS-2 NY 942
8 Tr 0356 WSB-2 GA? T
WAGA-5 GA? T
0815 WALB-10 GA 244
0818 WJHG-7 FL 274
0902 WTVY-4 AL 299
1255 WLOS-13 NC 481
WFBC-4 NC
Greenville 463
WSPA-7 SC 461

"The first really 'knockout' Gulf trope in over 3 years hit December 4th. Although not as extreme as the 1974-75 openings, it was quite enjoyable!...The control box of my U-100 rotor burned on Nov. 15th for some reason. I have a T-45, but haven't yet had a chance to replace the U-100 with it. During trope I can quickly note the direction and then aim the antennas by hand, but Bs is trickier. Have been getting back into MS to a degree, with some good results. I have pix of WJHK-2 and WKYC-3 by that mode...Two openings do not an E-skip season make...and yet, that's the sum total of what has been seen in Orlando this winter! Undoubtedly, it is the worst winter Bs season I've ever experienced...My UHF has been zilch since late December due to the wind snapping the lead-in to the 4-bay...a busy vacation and now the start of classes for this quarter will curtail any serious DX time--it will be kind of 'trial and error' DXing for awhile, hi...73s to all..."

Ken Simon 528 Pilgrim Road West Palm Beach, Florida 33405 (EST)January

1 Tr 0720 WJKS-17 FL
8 0610 WJKS-17 FL
0620 WJCI-22 GA
WATU-26 GA
0730 WGBS-20 GA
Wrens
0745 WNTV-29 SC
0748 WDCO-15 GA
0759 WBCA-27 FL
0800 WABW-14 GA
0803 WYRA-38 GA

8 Tr 0822 WACS-25 GA
0827 WIGA-8 GA
0926 WJSP-28 GA
WCWB-41 GA
1220 WCJB-20 FL
1440 WJKS-17 FL
WJCI-22 GA
10 Bs 1815 "CCI o/WTVJ"
13 Bs 1829 unIDs 2,4 CCI
February
12 Tr 0730 WJKS-17 FL
W69AA-69 FL

15 Tr 1722 WJKS-17 FL
WJCI-22 GA
1941 WJWJ-16 SC
25 0634 WJKS-17 FL
WJCI-22 GA
0720 W69AA-69 FL
0751 WJWJ-16 SC
0800 WRBA-14 SC? T
2220 WCJB-20 FL
26 0642 WJKS-17 FL
WJCI-22 GA

"A nice opening but not much else...all is well here (it got down to the 30s in January!)...73s"

Robert Goodman 5129 W. Roosevelt Road Apt. B7 Cicero, Illinois 60650

"Morrie Goodman has cleared up for me the question of the propagation of WMBR-46, South Bend, in November in my last report. It was probably neither a duct nor lightning scatter, which produces weak signals--probably too weak for my indoor antenna. It probably was aircraft reflection. I'd long wondered whether aircraft reflection has been logged for DX. Mike Hogan tells me Hank Holbrook has logged this, but I never see mention in VUD. I guess that's because it won't give such long ex."

Steven P. Sprachman Box 89 Moffitt Hall Plattsburgh, New York 12901

"There are several changes in the northeastern New York/western Quebec area. New WRBA-22 translators: W60## Bangor (Malone) NY and W66## Lyon Mt. NY--put a good signal into the Plattsburgh area when it first went on around Jan. 15. CFVQ-30 Bull is now CIVQ...puts in a fairly good signal here in Plattsburgh, better than CIVM-17 Montreal. Not much else has been happening..."

WESTERN TV-DX

Doug Everitt
1710 W. Maine
Enid OK 73701
(405) 233-4890
FINAL COLUMN

For TV DXers in all states west of the Mississippi and Canadian provinces Manitoba & west

This will be the last column from Enid, in case anyone missed the notices. At this writing, I still do not have Bill Block's new address, but it should have appeared in VUD by the time you read this. If not, reports sent to the address I gave for Bill in the February issue should be forwarded by the Post Office.

A good turnout this month, with representative reports from California, Idaho, Texas, Oklahoma & Minnesota. Due to a lack of time, however, there is no Es chart this month. I'll have more comments later on in the column, but for now, on with the DX.....

Jim Pizzi, 300 Park, Orcutt, California 93454 (PLT)

August 1977
31 tr 2153-2215 San Fran chs.
26, 32, 38, 44, 60, plus
KGSC-36, KMST-46 and San
Diego chs. 15 & 39.
September 1977
24 tr 2100-2300 San Fran Us
weak, Sacramento Us weak
to fair, San Fran Vs good.
28 Es 2036 CKKT 2 KS
October 1977
28 Es 1019 KWGN 2 CO
1100 KTVS 3 CO
1515 KNOP? 2 NE (T)
1525 KSMB? 4 NE (T)
1530 KLNE? 3 NE (T)
1559 KNOP 2 NE
1600 KUSD 2 SD
November 1977
12 Es 1733 ch.2 east
1818 KENW? 3 NM (T)
1820 KMID? 2 TX (T)
1823 KEPM? 2 CH (T)
December 1977
02 Es 2040 KATU? 2 OR (T)
04 tr 1206 K74CS CA
(Bradley)
1530 Sacramento Us
1725 KSCI 18 CA
(San Bernardino, 20kc KMIF)
07 tr 2137 KTEH 54 CA
K74CS CA
K77CD CA
2143 KTSF 26 CA
2144 KQEC 32 CA
KGSC 36 CA
KEMO 20 CA
2214 K83BJ CA
(Gonzales)
2215 K59AC CA
2317 KTKL 40 CA
KHUV 31 CA

08 (KMST "ghosting out")
09 tr 1838 L.A. 52 & 58,
San Diego 15 & 39 good.
13 tr 2219 K29AB CA
(Monterey)
14 tr 1100 KTEH 54 CA
K77CD, K83BJ, K59AC
1154 San Diego Us
2326 KBHK 44 w/CBS
All San Frans good.
27 tr 1203 0 on KFSN-30, N.
Es 2123 KTVQ 2 MT
28 tr P.M. Sacramento Us,
San Francisco Us fair.
30 tr P.M. L.A. chs.
28 & 58 fair to good.
31 tr A.M. KSCI 18 CA
KCET 28 CA

January 1978
01 Es 2016 KHCH? 2 CH (T)
2026 XHIT? 4 CH (T)
2030 KMID 2 TX
2047 KENW? 3 NM (T)

On December 4th, I installed a Winegard AG-4990 with excellent results. L.A., San Fran, San Diego, Sacramento UHF scatter in all the time. Also, K74CS at about 100 miles is in all the time. (From now on, I'd recommend you report those stations only when levels are unusual...de) Tremendous improvement in Fresno & Bakersfield Us. I got a friend about a mile away at a higher location to install one on his CM dish at 40' AG, and he now has KBSC-52 with a usable/watchable signal, when all he could get before was a frame now and again. He had a Jerrold UHF de-snow, and I was using a CM line amp at the dish feed. A very good UHF preamp. A windstorm here on the 20th and 21st of December caused a minor problem with my system. We had winds past 55 MPH, which caused my rotor to move 90' on the mounting stub. It was my fault for not tightening it down good to begin with. Fortunately, there was no damage at this location--All systems OK. (If 55 MPH is a windstorm there, try visiting Oklahoma in the springtime, hi! Tnx for the preamp comments...de)

B.W.Battin, 4305 Pitt, Duluth, Minnesota 55804 (CLT)

January 1978
03 tr 1323 WFLD 32 IL 405mi
11 tr 2149 WFLD 32 IL 405mi
February 1978
03 tr 1426 WFLD 32 IL 405mi
07 tr 1832 WNDU 16 IN 470mi
07 tr 1843 WVTU 18 WI 335mi
21 tr 1407 WFLD 32 IL 405mi

"Read 'em and weep!" While I realize that expression pertains to poker, it also applies to DX during January and February, and, more specifically, to my reception report for said months. To quote a local TV ad, which has nothing to do with DX..."Ah, yes--winter in the Northland!" Didn't see any winter Es this time, but that may be because of my system for monitoring it, and not because there wasn't any. My usual practice is to leave a radio on 35 MHz and wait for the paging stations to break squelch. However, here in Duluth, I'm only about six miles from the local TV transmitters, and leaving the radio on 35 MHz means listening constantly to harmonics (images?...de). Thus, I've gone to a system of turning the radio on from time to time, rather than leaving it on. The only Es I discovered that way was late in February, and none of it got up to channel 2. All you folks in the South enjoy your spring tropo, and think of me patiently waiting for fall, so I can get in on the action, too. Meanwhile, my Duluth log total remains frozen at 179. Buck (If you just happen to hear any F2 while sitting on 35 MHz, I'm sure Pat Dyer would love to know...de)

Robert J. Williams, 251 6th Ave. East, Twin Falls, Idaho 83301 (MLT)

January 1977	06 Es 1102 KTVO 2 IA	10 Es 1818 KNBC 4 CA
02 Es 2032 KYTV 3 MO	1853 WCCO 4 MN	1824 KNXT 2 CA
2116 KARD 3 KS	1856 KTGA 2 MN	1839 KHBC 2 BCN
February 1977	2018 KTVY 4 OK	1958 KORK 3 NV
08 Es 0955 KENW 3 NM	2045 KSTP 5 MN	2014 KVVU 5 NV
1000 KMID 2 TX	08 tr 2306 KIFI 3 ID	11 Es 1701 KFDK 3 TX
May 1977	09 Es 0900 KARD 3 KS	1746 KACB 3 TX
21 Es 1830 KTVO 3 NM	0930 KYTV 3 MO	1834 KMID 2 TX
22 Es 1847 KQTV 2 MO	1156 CKCK 2 SK	1900 KMTV 3 NE
1900 KLNE 3 NE	1217 CKOS 3 SK	2032 CKOS 3 SK
tr 2000 KAID 2 ID	10 Es 1202 KDAL 3 MN	2112 CKCK 2 SK
Es 2115 KTEW 2 OK	1204 WJMN 3 MI	2155 CFAC 2 AT
tr 2221 KIFI 8 ID	1230 KTGA 2 MN	12 Es 1530 KFDX 3 TX
June 1977	1300 WCCO 4 MN	1534 KDFW 4 TX
02 Es P.M. CKSA 2 AT	1430 KPRY 4 SD	1540 KXAS 5 TX
04 Es 1900 KMTV 3 NE	1434 KDLO 3 SD	1605 KBTX 3 TX
2023 KYTV 3 MO	1446 KSTP 5 MN	1637 KARK 4 AR
2106 KARD 3 KS	1806 KEYT 3 CA	

Doug Everitt, 1710 W. Maine, Enid, Oklahoma 73701 (CLT)

Sony KV1203, KV5100, Magnavox CF4471, Winegard 10 & hi-band yagis, Finco P-7 UHF dish.

February 1978	08 tr 2105 KHNE 29 NE 290mi	09 tr 0920 KYIN 24 IA 525mi
22 Es 0945 thru 3, east	KHIN 36 IA 340mi	KYNE 26 NE 355mi
March 1978	09 tr 0900 KGBJ 17 MO 350mi	0925 KHNE 29 NE 290mi
08 tr 2100 KOLN 10 NE 300mi	WRAU? 19 IL (T)	KBIN 32 IA 355mi
KMEG 14 IA 430mi	WMBD? 31 IL (T)	KRIN 32 IA 515mi
KXNE 19 NE 380mi	0910 WTVO 17 IL 620mi	KHIN 36 IA 340mi
KTIN 21 IA 465mi	0920 KXNE 19 NE 380mi	0945 WIFR 23 IL 620mi
2105 KSIN 27 IA 430mi	KTIN 21 IA 465mi	

Some winter this has been...Buck Battin, you're not the only one with a lack of Es; only a very few days produced anything here, and what there was wasn't anything too exciting. My major problem right now is that my VHF array is stuck towards southeast, thanks to the breakdown of the old CDE AR-33. After four years of extremely heavy use, in heavy winds, and overloaded with yagis, I suppose it deserves to break down, but I still don't feel like shelling out the inflated bundle CDE charges now for a new one. Before it broke down, I managed to snag a slight spurt of skip, plus KOLN by tropo. At least the UHF side is working, and the tropo into Iowa and Nebraska was the first beyond short-range enhancements that I've had in months. WTVO-17 and WIFR-23 (ex-WCEE) from Rockford IL were also a welcome respite from the lack of good DX. This has been a very unusual winter, with far less tropo and Es activity than normal for Enid. We usually have at least some medium-range tropo into Iowa, and a good amount of winter skip, but both were in short supply. Now that the weather is warmer (70°F in mid-March), I expect to see a bit more tropo pop up. Instead, I'll probably get hail..... By the way, I gave the call for the new channel 29 in Fayetteville AR as KTVF in the February issue....that should have been KTVF. Channel 12 in Cheyenne OK (far western Oklahoma) is expected to be on later this year with OETA & PBS programming. More later....de

Pat Dyer, WA5IYX, 5315 Silvertip Drive, San Antonio, Texas 78228 (CST)

1971 & 1976 Penncrest 9" b&w sets, RCA ET-396W, Archer V-100 & 8-bay Bowtie at 20'.

December 1977	23 Es 1805 KNBC? 4 CA (T)	January 1978
21 Es 0000-0015 thru 3, nw	1814 KEYT 3 CA 1270mi	01 Es 1955 KNBC? 4 CA (T)
0855 thru 6	1820 KHBC? 3 BCN (T)	2000 KOAT? 2 AZ (T)
0949 MUF 94.9 MHz	1823 KTGA? 5 CA (T)	2059 KOAI 2 AZ 855mi
0959 WCBF 2 SC 1120mi	1827 MUF 106.7 MHz	KORK 3 NV 1050mi
1000 WCIV? 4 SC (T)	1839 XHAQ? 5 BCN (T)	2120 KVVU? 5 NV (T)
WCSC? 5 SC (T)	1901 KETV? 6 BCN (T)	2135 MUF 98.5 MHz
1029 WRBL 3 GA 830mi	2040 f/outs	2240 f/outs
1129 WEDU 3 FL 985mi	24 Es 1230 WPBT? 2 FL (T)	02 Es 0025-0130 ch.2, nne
1130 WJXT? 4 FL (T)	WTVJ? 4 FL (T)	03 Es Very heavy meteor
1158 WESH 2 FL 1055mi	26 Es 1955 WCCO? 4 MN (T)	rates in morning, but not
1245 f/outs	1959 KCFE 2 ND 1240mi	many in test pattern-
1810-2300 thru 6	KTGA 2 MN 1110mi	sign-on period. Afternoon
1827 WTVJ? 4 FL (T)	2005 thru 6	rates also good near the
1829 WPBT 2 FL 1150mi	2110 f/outs	predicted peak 1600 CST.
1840 WCIX? 6 FL (T)	28 Es 2110-2130 thru 3, wow	05 Es 1600-1955 thru 4
2230 YSR? 2 El S (T)	31 Es 2000 KNXT? 2 CA (T)	1705 YSR 2 El S 1200mi
22 Es 1745-2030 thru 4	KTVK? 3 AZ (T)	1708 YSU? 4 El S (T)
23 Es 1755 KNXT 2 CA 1190mi	KPHO? 5 AZ (T)	1720 TGV? 3 Guat (T)
XHBS? 4 SIN (T)	2010 f/out	2030-35 YSR 2 El S

Pat Dyer continued...

06 Es 1157-1230 YSR 2 El S
1205 TGV? 3 Guat (T)
1535-55 ch.2, ne
1830-1915 WESH 2 FL
09 Es 1010-1130 thru 4
1020 WDTN? 2 OH (T)
KDKA? 2 PA (T)
1028 WSAZ 3 WV 1100mi
1032 WTAE? 4 PA 1280mi
1059 WSJK 2 TN 1010mi
2330-2340 WPMY? 2 NC
10 Es 0225-0230 thru 4, ne
1745-1950 thru 4, ssw
18 Es 1215-1220 ch.2, east
28 Es 2000-2030 WESH? 2 FL
February 1978
01 Es 2029 KNXT 2 CA 1190mi
KORK 3 NV 1050mi

01 Es 2032 KVVU? 5 NV (T)
2035 MUF 95.5 MHz
2150-55 ch.3, nw
2300-2315 KOAI? 2 AZ
02 Es 0228-0240 KNXT? 2 CA
(sharp MUF, w/out aud mach)
04 Es 1815-1830 KOAI 2 AZ
1955-2000 ch.2, nw
07 Es 1528 XEPM 2 CH 490mi
09 Es 1710 RTV? 3 AZ (T)
1725 KPHO? 5 AZ (T)
1729 KOAI 2 AZ 855mi
1730 KORK 3 NV 1050mi
1745 KVVU? 5 NV (T)
soon f/outs
1845 XHBC? 3 BGN (T)
XHAQ? 5 BGN (T)
XETV? 6 BGN (T)

09 Es 1850 MUF 94.1 MHz
1900 KNXT? 2 CA (T)
1915 f/outs
2000 ch.3 briefly
2050 thru 3, brief
2130-2205 thru 3
2143 KNXT 2 CA 1190mi
10 Es 0810-0845 thru 4
0825 WDTN 2 OH 1075mi
22 Es 1035 WCB? 2 SC (T)
1059 KOAI 2 AZ 855mi
1100 KORK? 3 NV (T)
KVVU? 5 NV (T)
1110 apx f/outs
26 Es 1128 ch.2, ne, brief
Another small month of Es
in February, in keeping with
the low levels of January.

Remember, it was February 1977 that ch.13 Es was in. Early A.M. stuff of Feb. 2nd a bit odd. The 1971 set now has apparently "bitten the dust", with tuner problems (pretty much needs a new one). 1976 model (which had developed a sensitivity loss on ch.2, 3, and UHF in November '76) did one better by developing a complete loss of them recently. After much probing in the tuner it was found that a crack had developed in the switch lug - contact for channel 3 on each of two decks! Very obvious which one was gone in Nov. '76 and which went recently by their effects. I'm trying a temporary or permanent cure, short of a new tuner. This is why the RCA color set got pressed into service this month. Thanks for a fine job as editor for the Western TV column, Doug. 73 = Pat = WA5IYX (And thank you, Pat, for your terrific support of the column while I was here....de)

I'd just like to say thanks to all the Western TV DX reporters who've made my stay as editor a nice one. I have tried to keep both the appearance and the content of the column up to WFDAs standards, and I deeply appreciate the comments sent to me when members disagreed with my policies. Without communication like that, I wouldn't have known the type of column you wanted, and I hope I've managed to please everyone fairly well..... without giving up my "professional" standards of what a DX column should be. I think, from the mail I've been getting recently, I must have been doing something right. I also think the entire staff of VUD and the WFDAs administration need to know what the membership thinks, in order to be responsive to your needs. If you have any comments, I'm sure HQ and our Editor-In-Chief would like to hear from you. They're all there to help the DXer, and I'm glad to have been a part of it. Finally, in closing, I'd like to thank a couple of people: Clarke Ingram, for giving me this job & his support; and Dennis Park Smith, for making my first few columns easier with helpful tips. Thanks to everyone; I'm going to miss doing this..... Doug

All reports for WESTERN TV-DX should now be sent to Bill Block at 9307 SE Clay St., Portland OR 97216. I would like to thank Doug for his excellent work as WESTERN TV-DX editor and we are all sorry he has to resign.---Frank Aden, Jr.

REDS PURCHASE STATION

SAN DIEGO EVENING TRIBUNE, Jan. 31, 1978. Submitted by
Albert Lobel

Rome (AF)---The Communist Party has bought a Rome TV station and says its programs will be lively but not pornographic.

Luca Pavolini, head of the party's propaganda office, announced that the party's publishing house, Rinascimento, purchased Videouno, a small station that has been transmitting films, sports and music for several months.

Piero Fassetti, news editor of the communist newspaper Paese Sera, was put in charge of the station. He said it would be "democratic and anti-fascist, open to all popular realities." He also said he would show no pornographic films, which are popular fare on many of Italy's more than 200 private stations.

Videouno is Italy's third Communist TV station although it is the first owned by the party itself. Communist cooperatives in the Bologna area own two small stations.

Many private TV stations are owned by persons close to the Christian Democratic Party, which dominates the state-owned RAI television and radio networks since it has controlled the government since World War II.

Cuba may get U.S. TV, films

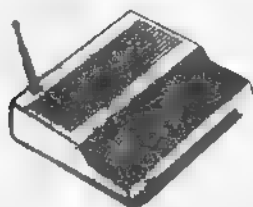
reprinted from the SUNDAY OREGONIAN, March 5-78

HAVANA, Cuba (AP)---Fidel Castro's government plans to buy American television programs and start broadcasting them in Havana in two to three weeks, a U.S. television executive says.

The Castro government also made tentative agreements with American motion picture and recording companies, according to members of a California trade delegation.

Paul Drew of Los Angeles said the tentative television agreement was reached after meeting with Cuba's minister of culture and was approved by Castro personally at a reception Thursday for 98 California business executives and their wives.

(Just in time for our upcoming E skip season, now it is going to be harder yet to ID Cuba. ---ed.)



WE WANT YOU

We are now looking for members, especially those living in metropolitan areas to keep track of what frequencies are being used in their areas in the Public Service Bands. If anyone is interested in editing a column to collect such information please write Frank Aden, Jr. Information on PSB activities in Mexico and Canada is also needed. If you have any information on PSB that may be of interest to the WTFDA membership please send it in.

CCI [UNIDENTIFIED DX]

William J. Draeb
Ellis St. R.R.#2
Kewaunee, WI
54216
(414) 388-2350
Deadline: 1 st
of each month.

April 1978

SUPPORT YOUR CLUB!!!!

I am the new editor of the CCI (unidentified DX) column. Frank Aden asked me if I wanted to do it when he took over the WUD editor responsibilities.

There aren't any recent reports for this month to type up so I'll lay down a few guidelines to go by when reporting to this column in the future. If you follow these, you'll save us both time.

First of all, don't report regular network programs which occur at their usual times. There are so many stations which carry a program like this it would be unable to determine which one was carrying it. The types of programs to report are; (A) network programs which occur at any time but the usual; (B) syndicated programs; (C) local commercials or programs.

Also, when sending in a report, try to keep it neat and preferably use the same type of format used in past CCI columns. Use local times such as EST, CST, etc. Don't use GMT, UTC, etc. unless you're reporting from that time zone or believe to have seen something in that particular time zone.

With the beginning of the Es season in a month or so, I'm sure there will be plenty of unidentified DX to report, but for now, 73's and good DX.-----WD

WRTH FM Changes

Mike Dornier, Jr.
1409 Hymelia Ave.
Metairie, La. 70003

Continuing with a line-by-line, page-by-page comparison of the 1976 and 1977 World Radio Television Handbooks, here is the remainder of European changes, and all the changes of the third world. The reader is cautioned that the following listings depend upon the accuracy and completeness of the information, and that South American FM developments are seldom listed in the WRTH.

New in Stereo	
Germany, East	87.85 \$ Radio DDR-I, Inselberg
	88.25 \$ Marlow DDR-I
	88.45 \$ Leipzig DDR-I
	88.95 \$ Brocken DDR-I
	89.2 \$ Schwerin DDR-I
	89.4 \$ Dequede DDR-I
	95.8 \$ Berlin DDR-I
	95.4 \$ Dresden DDR-I
	97.7 \$ Berlin DDR-II
	94.6 \$ Brocken DDR-II
	94.9 \$ Dequede DDR-II
	92.25 \$ Dresden DDR-II
	92.55 \$ Inselberg DDR-II
	92.85 \$ Karl-Marx-Stadt, DDR-II
	93.85 \$ Leipzig DDR-II
	91.05 \$ Marlow DDR-II
	92.75 \$ Schwerin DDR-II
	91.4 \$ Berlin, R.Berlin
	91.55 \$ Brocken, R.Berlin
Holland	87.85 \$ Goes Lopik-1
	95.0 \$ Goes Lopik-3
	99.8 \$ Goes Lopik-4
	92.1 \$ Hulsberg Lopik-1
	95.3 \$ Hulsberg Lopik-3
	98.7 \$ Hulsberg Lopik-4
	92.6 \$ IJsselstein Lpk1
	96.8 \$ IJsselstein Lpk3
	98.9 \$ IJsselstein Lpk4
	91.4 \$ Markelo Lopik-1
	96.2 \$ Markelo Lopik-3
	98.4 \$ Markelo Lopik-4
	88.2 \$ Roermond Lopik1
	90.9 \$ Roermond Lopik3
	94.5 \$ Roermond Lopik4
	88.0 \$ Smilde Lopik-1
	91.8 \$ Smilde Lopik-3
	94.8 \$ Smilde Lopik-4
	87.7 \$ Wieingermest 1
	89.8 \$ Wieingermest 3
	92.2 \$ Wieingermest 4
Portugal	88.8 \$ Montejunto RDP-4
	90.8 \$ Louisa RDP-4
	91.9 \$ Bornos RDP-4
	92.0 \$ Mendro RDP-4
	93.9 \$ Gardunha RDP-4
	96.1 \$ Faro RDP-4
	96.1 \$ Guarda RDP-4
	97.4 \$ Lisbon RDP-4
	97.7 \$ Porto RDP-4
	98.9 \$ Portalegre RDP-4
	99.0 \$ Valencia RDP-4
	99.2 \$ Braga RDP-4
Romania	66.74 \$ Cluj
	70.04 \$ Bucurest
	71.18 \$ Topolog

Spain	93.0 \$ Barcelona RNE-2
	93.0 \$ Cuenca RNE-2
	88.15 \$ Salamanca RNE-2
	93.1 \$ Valladolid RNE-2
Yugoslavia	89.3 \$ Jostebac II/III
	96.1 \$ Tupinaznica II
	99.3 \$ Crni Vrh II
	90.5 \$ Pljesovica II/III
	91.3 \$ Labistica II/III
	96.1 \$ Kralnik II/III
	96.9 \$ Uoka II/III
	95.1 \$ Celevac II/III
	98.1 \$ Belje II/III
	98.5 \$ Sljeme II/III
	98.5 \$ Brjk II/III
	98.9 \$ Brokovo II/III
	99.7 \$ Pounj II/III
	90.1 \$ Pleisvec II/III
	91.8 \$ Kravac II/III
	92.9 \$ Namos II/III
	96.9 \$ Pohorje II/III
	99.9 \$ Kus II/III

Name changes

Portugal	All former Radio Clube do Portugal FM are now the 4th network of RDP, the government broadcasting agency; all private radio stations have been confiscated or have left the air. See the deletion and stereo listings.
Spain	88.8 R. Juventud La Rioja is now Radio Juventud Calahorra
	95.0 La Voz de Anca is now Radio Fraga
	89.1 La Voz de Bajo Aragon is now Radio Caspe.

AFRICA

New stations

Angola	96.6 Luanda 1kw R.Nacional (new name for Dahomey)
Benin	88.63 Moroni 50w R.Moroni
Comoro Islands	91.9 Moroni 50w R.Moroni
Gabon	92.97 Oyem 1w La Voix de la Renovation (govt.)
Liberia	93.56 Yekopa 180w ELNR-FM
Mozambique	98.01 Maputo 5kw R.Mozambique
	98.0 Namputa 50w R.Mzambique
Nigeria	92.9 Lagos 1w R.Nigeria
	96.1 Lagos 1w Sogunle program link
	98.1 Lagos 1w ditto
	88.1 Lagos 1w R.Nigeria shortwave link

Rhodesia	60.1	Lagos	1w	Ditto
	77.5	Lagos	1w	Ditto
	95.6	Salisbury	60kw	RBC-AS
	92.2	Lomagundi, Masao, Bindura	60kw	RBC-GS
	96.2	Lomagundi, etc.	60kw	RBC-AS
	96.0	Umtali	60kw	RBC-GS
	92.1	Umtali	60kw	RBC-AS
	96.6	E. District, Inyanga,	60kw	RBC-GS
	92.7	E. District, Inyanga,	60kw	RBC-AS
	92.3	Waukie	60kw	RBC-GS
	96.3	Waukie	60kw	RBC-AS
	93.1	Victoria Falls	6k	RBC-GS
	98.9	Fort Victoria	6kw	RBC-GS
	95.0	Fort Victoria	6kw	RBC-AS
	92.8	Chiredzi, Chipinga	60k	GS
	98.4	Karoi, Mariba	60kw	RBC-AS
	97.0	Mt. Darwin, Shanva	60k	AS
	93.8	Gastooma, Midlands	60k	AS
	94.0	Bulawayo	6kw	RBC-AS
	95.3	Gwelo	60kw	RBC-AS
RBC-AS RBC African Service				
RBC-GS RBC General Service				
South Africa				
Carla, Umtata, Mount Ayliff, Bitterworth & Craddock stations are now in the republic of the Transkei. Frequencies, powers, and networks remain the same.				
Southwest Africa (Namibia)				
	98.78	Windhoek	50w	RSA-English
	94.82	Windhoek	50w	RSA-Afrikaans
	102.74	Windhoek	50w	Springbok R.
	?	Rundu	300w	R. Kavango
	6 new low-power relays along the Kavango River, all 300w, frequencies unknown.			
	99.98	Mansini	20w	R. Swaziland
Swaziland				
Tunis				
	87.9	Tunis	1w	Radio Tunis
	90.1	Tunis	1w	Radio Tunis
	96.5	Tunis	1w	R. Tunis Int'l
Zaire				
	88.9	Kinshasha	50w	La Voix du Zaire
	96.8	Kinshasha	10kw	LV Zaire
ASIA				
Iran	93.7	Abadan	10kw	RTV Iran
	98.8	Abadan	10kw	RTV Iran
	95.1	Isfahan	10kw	RTV Iran
	100.2	Isfahan	10kw	RTV Iran
	93.5	Tehran	10kw	RTV Iran
	98.6	Tehran	10kw	RTV Iran
	88.3	Rasht	10kw	RTV Iran
	98.5	Rasht	10kw	RTV Iran
	88.08	Shiraz	1kw	RTV Iran
	93.2	Shiraz	1kw	RTV Iran
	88.3	Mashhad	1kw	RTV Iran
	93.5	Mashhad	1kw	RTV Iran
	88.9	Doha	1kw	Qatar Beating Stn
	88.0	Izmir	100kw	TRT-3
	94.0	Eskişehir	30k	TRT-3
Qatar				
Turkey				

Hong Kong	89.6	50kw	RTHK-
Chinese			
	93.1	Commercial RHK,	
		Chinese pgm 2	
	91.7	ditto, Chinese-I	
	94.7	ditto, English pgm	
Japan	NHK-FM:	10 new low-power	
AUSTRALIA			
	92.1	Adelaide ABC-FM	10kw
2MBS-FM	92.1	Crows Nest	400w
6UWA-FM	92.1	Nedlands	5kw
7CAE-FM	92.1	Launceston	1kw
2ARM-FM	92.3	Bathurst	100w
2NGR-FM	92.5	Lismore	1kw
3GCR-FM	103.5	Traralgon	1kw
4ZZZ-FM	105.7	St. Lucia	1w
OCEANIA			
Micronesia	93.9	Saipan WSZR-FM	8
CARIBBEAN			
Netherlands Antilles			
	105.3	Willemstad PJC7*FM	1w
<u>Power Increases</u>			
AFRICA			
South Africa	91.64	Radio Owambo,	
		Windhoek, from 90.87	
		mhz and increase to	
		1kw	
	87.69	Radio Damaru/Nama	
		Windhoek, from 106.69	
		mhz to 87.69 and incr	
		to 100w.	
	107.47	Radio Herero,	1kw
Turkey	88.2	Istanbul TRT-3	100k
CARIBBEAN			
Jamaica	91.1	Coopers Hill	2kw
	92.1	Montego Bay	1kw
	Gracabassa	100.3	1kw
	103.3	Spur Tree	1w
	105.0	Halfway Tree	1kw
(all above JBC Radio 2 Stereo)			
<u>Frequency shifts</u>			
AFRICA			
Congo	Brazzaville:	RTV Congolaise	
		from 91.0 to 98.95	
Liberia	Buchanan:	ELNR-FM from 93.6 to	
		93.58, 180w.	
S. Africa	Nouport (all 3kw):	RSA-English	
		svc from 96.2 to 101.54; RSA-	
		Afrikaans from 105.49 to 93.62	
	Uboombo (all 3kw):	RSA-English	
		from 93.6 to 94.23; RSA-Afri-	
		kans from 91.65 to 90.27; RSA-	
		-Springbok from 99.56 to 98.18	
	Radio Bantu-Zulu	from 103.51	
		to 102.14	
	Windhoek:	see power increases.	
	Okakarara:	Radio Herero from	
		95.43 to 95.68; 3 kw.	

ASIA

Hong Kong Radio-TV Hong Kong-English from 97.0 to 87.3 mhz, 50k
Korea Busan: HUKU-FM from 89.1 to 88.9 mhz
Malaysia Kuala Lumpur: Capital City Service from 92.8 to 195.0%

Name Changes

South Africa 95.17 Walvis Bay 20w-- now repeats R. Herero, not R. Owanbo.

Program Changes

Johnston Island 99.5 AFRTS now relays KGBB-AM Honolulu exclusively.

FM broadcasting in Australia is now developing rapidly, the government having decided to keep the internationally recognized band of 87/88-108 mhz, and to remove TV channel 5. For the third world, Morocco, Iran, Turkey and Rhodesia are developing FM services, while Hong Kong and Taiwan seem to be upgrading theirs. The remainder of the nations seem to use FM principally to serve as studio-transmitter links.

Angola

89.58 Luanda, 500w
R. Clube do Angola
104.45 Huambo Radio
Clube, Nva. Lisboa.

(All private radio stations have been confiscated by the Marxist regime.)
Comoro Islands 96.0 CRTF Comores 50w
(The Comoros received their independence from France in 1976.)

Israel 93.7 Tel Aviv 50w
Galai Zahal

Taiwan 100.9 Taipei AFRT 12.6k
Philippines 101.9 Quezon City
Maldives 88.0 Radio Gan-BFBS

New in Stereo

Iran 90.0 Tehran RTV Iran
Hong Kong 94.0 RTHK-Chinese 50kw
91.0 RTHK-English 50kw
Taiwan 102.1 BED4 Taipei
102.1 BED6 Hualien
102.1 BED52 Taitung
103.3 BED3 Taipei
103.3 BED51 Tuli
Johnston Isl. 101.1 AFRTS 50w

NOAA Weather Radio Station Network

May 1977

submitted by
Ken Simon



District of Columbia	Washington D.C.	KHBS-34	162.55 MHz
Florida	Daytona Beach	KIM-26	162.40 MHz
	Jacksonville	KHB-39	162.55 MHz
	Key West	KIM-25	162.40 MHz
	Miami	KHB-34	162.55 MHz
	Orlando	KIM-83	162.475 MHz
	Panama City	KGG-67	162.55 MHz
	Pensacola	KEC-86	162.40 MHz
	Tallahassee	KIM-24	162.40 MHz
	Tampa	KHB-32	162.55 MHz
West Palm Beach	KEC-50	162.40 MHz	
Georgia	Atlanta	KEC-80	162.55 MHz
	Savannah	KEC-85	162.40 MHz
Hawaii	Honolulu	KBA-29	162.55 MHz
	Honolulu	KBA-89	162.55 MHz
	Kailua	KBA-89	162.40 MHz
	Mil. Hialeah	KBA-89	162.40 MHz
Illinois	Chicago	KWO-39	162.55 MHz
Indiana	Evansville	KIG-78	162.55 MHz
	Fort Wayne	WKJ-88	162.55 MHz
	Indianapolis	KEC-74	162.55 MHz
	South Bend	WKJ-57	162.40 MHz
Iowa	Des Moines	KEC-75	162.55 MHz
Kansas	Wichita	KEC-59	162.55 MHz
Kentucky	Ashtand	KIM-39	162.55 MHz
	Bowling Green	KIM-45	162.40 MHz
	Covington	KIM-42	162.55 MHz
	Hazard	KIM-40	162.475 MHz
	Lexington	KIM-41	162.40 MHz
	Louisville	K H-43	162.475 MHz
	Mayfield	K H-48	162.475 MHz
Somerset	K H-44	162.55 MHz	
Louisiana	Baton Rouge	KHB-46	162.40 MHz
	Lakes Charles	KHB-42	162.55 MHz
	Morgan City	KIM-23	162.475 MHz
	New Orleans	KHB-43	162.55 MHz
Maine	Portland	KEC-93	162.40 MHz
	Portland	KDO-95	162.55 MHz
Maryland	Baltimore	KEC-83	162.40 MHz
	Sausbury	KEC-92	162.40 MHz
Massachusetts	Boston	KHB-35	162.40 MHz
	Hyannis	KEC-73	162.55 MHz
Michigan	Alpena	KIG-83	162.55 MHz
	Detroit	KEC-63	162.55 MHz
	Flint	KIM-29	162.40 MHz
	Grand Rapids	KIG-63	162.55 MHz
	Marquette	KIG-66	162.55 MHz
	St. Ignace	KIG-74	162.55 MHz
	Traverse City	KIM-22	162.55 MHz
Minnesota	Duluth	KIG-64	162.55 MHz
	Minneapolis	KEC-65	162.55 MHz
Mississippi	Ackerlyman	KIM-51	162.475 MHz
	Booneville	KIM-53	162.55 MHz
	Bude	KIM-48	162.55 MHz
	Guilford	KIM-21	162.40 MHz
	Inverness	K H-50	162.55 MHz
	Jackson	KIM-38	162.40 MHz
	McHenry	KIM-47	162.475 MHz
	Meridian	KIM-49	162.55 MHz
	Oxford	K H-52	162.40 MHz
	KID-77	162.55 MHz	
KEC-77	162.49 MHz		
Missouri	Kansas City	KID-77	162.55 MHz
	St. Joseph	KEC-77	162.40 MHz
St. Louis	KDO-89	162.55 MHz	
Montana	Great Falls	WKJ-43	162.55 MHz
	Lincoln	WKJ-43	162.55 MHz

Alabama	Birmingham	KIM-54	162.55 MHz
	Anniston	K H-58	162.475 MHz
	Dorier	K H-59	162.55 MHz
	Flomence	K H-57	162.475 MHz
	Huntsville	KIM-20	162.40 MHz
	Louisville	KIM-56	162.475 MHz
	Mobile	KEC-81	162.55 MHz
	Montgomery	KIM-55	162.40 MHz
	Tuscaloosa	KIM-50	162.40 MHz
	Anchorages	KEC-43	162.55 MHz
Alaska	Homer	WKJ-24	162.40 MHz
	Unalakleet	WKJ-25	162.55 MHz
	Ketchikan	WKJ-26	162.55 MHz
	Seward	KEC-81	162.55 MHz
	Valdez	WKJ-63	162.55 MHz
	Phoenix	KEC-84	162.55 MHz
Arizona	Flagstaff	WKJ-52	162.475 MHz
	Ft. Huachuca	WKJ-50	162.40 MHz
	Gordon	WKJ-48	162.475 MHz
	Jonesboro	WKJ-51	162.55 MHz
	Little Rock	WKJ-55	162.55 MHz
	Star City	WKJ-54	162.40 MHz
	Texas	WKJ-49	162.55 MHz
California	Cochella	KIG-78	162.40 MHz
	Crescent City, Calif.	KIM-37	162.55 MHz
	Brookings, Ore	KEC-82	162.40 MHz
	Fresno	KIM-63	162.40 MHz
	Los Angeles	KWO-37	162.55 MHz
	Monterey	KEC-49	162.40 MHz
	Point Arena	KIM-30	162.40 MHz
	Sacramento	KEC-57	162.40 MHz
	San Diego	KEC-82	162.40 MHz
	San Francisco	KHB-49	162.55 MHz
Colorado	San Luis Obispo	KIM-31	162.55 MHz
	Santa Barbara	K H-34	162.40 MHz
	Denver	KEC-76	162.55 MHz
	Hartford	WKJ-41	162.475 MHz
	Meriden	WKJ-42	162.40 MHz
	New London	KHB-47	162.55 MHz
Connecticut	Meriden	KEC-76	162.55 MHz
	Hartford	WKJ-41	162.475 MHz
	Meriden	WKJ-42	162.40 MHz
	New London	KHB-47	162.55 MHz
	Meriden	KEC-76	162.55 MHz
	Hartford	WKJ-41	162.475 MHz
	Meriden	WKJ-42	162.40 MHz
	New London	KHB-47	162.55 MHz
	Meriden	KEC-76	162.55 MHz
	Hartford	WKJ-41	162.475 MHz

Nebraska	Omaha	KIH-61	162.40 MHz
New Hampshire	Concord	WXU-40	162.475 MHz
New Jersey	Atlantic City	KHB-38	162.40 MHz
New Mexico	Albuquerque	WXJ-34	162.40 MHz
	Hobbs	WXJ-36	162.40 MHz
	Corvallis	WXJ-35	162.475 MHz
	Farmington	WXJ-37	162.475 MHz
	Ruidoso	WXJ-38	162.55 MHz
	Santa Fe	WXJ-33	162.55 MHz
New York	Buffalo	KEB-98	162.55 MHz
	New York City	KWO-35	162.55 MHz
	Rochester	KHA-53	162.40 MHz
North Carolina	Cape Hatteras	KIG-77	162.55 MHz
	New Bern	KEC-84	162.40 MHz
	Wilmington	KHB-31	162.55 MHz
Ohio	Akron	KDG-94	162.40 MHz
	Cleveland	KHB-59	162.55 MHz
	Columbus	KIG-86	162.55 MHz
	Sandusky	KHB-97	162.40 MHz
	Caldwell	WXJ-47	162.475 MHz
	Dayton	WXJ-44	162.40 MHz
Oklahoma	Tulsa	KIH-27	162.55 MHz
Oregon	Astoria	KEG-91	162.40 MHz
	Coos Bay	KIH-32	162.40 MHz
	Eugene	KEC-42	162.40 MHz
	Newport	KIH-31	162.55 MHz
	Portland	KIG-88	162.55 MHz
Pennsylvania	Erie	KEC-58	162.40 MHz
	Philadelphia	KIH-28	162.475 MHz
	Pittsburgh	KIH-35	162.55 MHz
Rhode Island	Providence	WXJ-39	162.40 MHz
South Carolina	Beaufort	WXJ-23	162.475 MHz
	Charleston	KHB-20	162.55 MHz
	Columbia	WXJ-20	162.40 MHz
	Florence	WXJ-22	162.55 MHz
	Greenville	WXJ-21	162.55 MHz
	Myrtle Beach	KEC-95	162.40 MHz
Tennessee	Nashville	KIG-79	162.55 MHz
Texas	Brownsville	KHB-33	162.55 MHz
	Corpus Christi	KIH-41	162.55 MHz
	Dallas	KEC-36	162.40 MHz
	Ft. Worth	KEC-55	162.55 MHz
	Galveston	KHB-40	162.55 MHz
	Houston	KGG-58	162.40 MHz
	Pharr	KHB-33	162.40 MHz
Utah	Salt Lake City	KEC-76	162.55 MHz
Vermont	Burlington	KIG-60	162.40 MHz
Virginia	Norfolk	KHB-37	162.55 MHz
Washington	Neeh Bay	KIH-36	162.55 MHz
	Seattle	KHB-60	162.55 MHz
	Yakima	KIG-75	162.55 MHz
Wisconsin	Green Bay	KIG-85	162.55 MHz
	Milwaukee	KEC-60	162.40 MHz

Notes:

1. Stations marked with asterisk (*) are not operational but are estimated to be in operation by or before August, 1977.

2. Statewide systems may become operational in Indiana, Illinois, Missouri, West Virginia and Texas by or before November, 1977. The names of the new sites in these states are not shown on the listing.

3. The list of operating stations is updated periodically. For current list please write NOAA.

NOAA WEATHER RADIO IS A SERVICE OF . . .

. . . the National Oceanic and Atmospheric Administration (NOAA) of the U.S. Department of Commerce. It provides continuous, around-the-clock broadcasts of the latest weather information directly from National Weather Service offices. Taped weather messages are repeated every four to six minutes and are routinely revised every two to three hours, or more frequently if needed.

The broadcasts are tailored to weather information needs of people within the receiving area. For example, stations along the sea coasts and Great Lakes provide specialized weather information for boaters, fishermen, and others engaged in marine activities, as well as general weather information.

During severe weather, National Weather Service forecasters can interrupt the routine weather broadcasts and substitute special warning messages. The forecasters can also activate specially designed warning receivers. Such receivers either sound an alarm indicating that an emergency exists, alerting the listener to turn the receiver up to an audible volume, or, when operated in a muted mode, are automatically turned on so that the warning message is heard. "Warning alarm" receivers are especially valuable for schools, hospitals, public safety agencies, and news media offices.

Under a January, 1975, White House policy statement, NOAA Weather Radio was designated the sole Government-operated radio system to provide direct warnings into private homes for both natural disasters and nuclear attack. This capability is to supplement warnings by sirens and by commercial radio and TV.

NOAA Weather Radio broadcasts are usually made on one of three high-band FM frequencies—162.40, 162.475, or 162.55 mega-

hertz (MHz). The 162.475 MHz frequency is used only in special cases where required to avoid channel interference. These frequencies are not found on the average home radio now in use. However, a number of radio manufacturers offer special weather radios to operate on these frequencies, with and without the emergency warning alarm. Also, there are now many radios on the market which offer standard AM/FM frequencies plus the so-called "weather band" as an added feature.

NOAA Weather Radio broadcasts can usually be heard as far as 40 miles from the antenna site, sometimes more. The effective range depends on many factors, particularly the height of the broadcasting antenna, terrain quality of the receiver, and type of receiving antenna. As a general rule, listeners close to or perhaps beyond the 40 mile range should have a good quality receiver system if they expect reliable reception.

Also, an outside antenna may be required in these fringe areas. If practicable, a receiver should be tried at its place of intended use before making a final purchase.

In addition to the NOAA Weather Radio stations listed, the National Weather Service hopes to establish over 200 more to complete the network by the end of 1979. When these stations are installed, approximately 90 percent of the population of the U.S. should be within listening range of a NOAA Weather Radio broadcast.

If more information on NOAA Weather Radio is required, please write: National Weather Service (Attn. W112) National Oceanic and Atmospheric Administration Silver Spring, Md., 20910.



NOAA/PA 76015

Backwoods Bootlegger of the North

A SPECIAL VUD FEATURE

By David Leibold

It was a few days before Christmas, 1976 and residents of a small northern Ontario town called Pickle Lake were watching a picture of a polar bear gazing into a TV screen on their TV sets.

"What a great Christmas present!", many exclaimed.

This excitement was not unwarranted-it marked a historic moment for Pickle Lake. This would be the first TV signal to be locally seen in Pickle Lake. Before this age of TV came to the town, many of the residents had TV sets-but there was no picture to be found, except for any DX they could find, and the TV 'pong' games that a few had.

David Brough once visited this little mining oriented town to see the conditions there. The CBC promised to get TV into communities of 500+ people, but only when funds would allow for it. If CBC wouldn't get TV into Pickle Lake, then Brough would! One day, he carted in a camera, a videotape machine, some electronic equipment and a transmitter complete with antenna. This station was put up, and it had 'flea-power' capability-enough to cover an area six miles and less from the transmitter site. It used less power than a bright light bulb-and it was ILLEGAL.

This station was bootlegging-no license had been granted, or even applied for. The station was not even approved by the Department of Communications. Yet Brough would become a patron saint to backwoods northern Ontario-and an evil menace to government officials.

The programming of the Pickle Lake Northern Access Station consisted of local programming from the one camera that was there and from videotapes that were flown in by a small plane from Toronto. Its videotape programs were taped by Brough when he was in Toronto. Viewers could enjoy programs from CBC, CTV, Global, TVOntario and other stations. Again, a tricky problem becomes apparent here-taping of copyrighted programs. It is also a major issue in the US where Disney studios are objecting to having their movies taped on video-cassette recorders (e.g. Betamax) when they appear on TV Sunday evenings. Now it's a matter of catching Brough from the CRTC and DOC viewpoint.

To confiscate a TV station, you will need some police. Now you can simply go in and confiscate the equipment-but they couldn't take over the Pickle Lake transmitter. When people discovered that the police were in town, some angry viewers gathered and much of the protest group consisted of work-hardened miners with clubs, sticks and other assorted weapons. After that day the police have never returned.

Other communities in this remote area had heard of this local TV service and they began to inquire about Brough's revolutionary TV station. Brough's plan was to establish stations in many towns, each one only costing \$6000. Compare that with any small license station in North America today. The cost would be met by having the town pay the initial \$6000 and then paying a monthly fee for the service. It's like Britain's TV taxing scheme. At the end of February, there were ten stations in use. Other than Pickle Lake and Long Lac, and possibly Sioux Lookout, I could not find the names of the other towns involved. I couldn't find out what channels they were operating on.

Brough was strengthening his network as stations were added. While he was away taping programs for his network, the Pickle Lake station was left in control of Marlin 'Spike' Roy. During a broadcasting day both Roy and Brough would have local spots featuring schoolkids who wanted to do the news, local personalities, and even announcements that would be posted on a wall then 'shot' on camera. One day, the videotape-recorder was modified to play seven hours of tapes in succession, giving time for eating, filming local events, and also enabling all-night broadcasting. One night, the two broadcasters had locked themselves out of the station. The last tape played out and the phone began to ring. It was a while before they could get back into the house and explain the situation on the air. Another incident occurred when the plane carrying the all important batch of new tapes didn't arrive soon enough. Viewers called in as they found repeats on the station. The plane eventually landed on the local airstrip after a period of consternation. As the network grew, Roy and Brough intertransported tapes between stations by van. On-air times of 20 or more hours per day are not uncommon.

Just recently, there was news that the Long Lac transmitter had been taken by police. This time, the protesting of devoted viewers was not enough to scare off police. The CBC had provided English services only to a largely French-speaking town, and Brough's station at Long Lac filled the need for French programming. Brough and the Long Lac town reeve discussed the problem with the local Member of Canadian Parliament, and also Minister of Communications, Jeanne Sauve. The CRTC would allow the transmitter to be returned and drop charges if Brough would apply for a license. The transmitter was returned and TV once more operated in Long Lac. The reeve of Long Lac said that a nasty situation could have developed.

This story appears to be one of the hairiest between the government and bootlegger. On one hand, the Brough network is low-powered and does not create a nuisance to any other stations so that the CRTC cannot nail them. On the other hand, the CRTC doesn't relish the thought of having unlicensed stations popping up, even if no interference is caused. The DOC has also complained that the equipment used for broadcast is not technically acceptable, and there's the copyright laws. David Brough is providing TV to those that don't have it-becoming Canada's most famous broadcasting backwoodsman. It now looks as though the stations are going to be licensed. Maybe the DOC and CRTC could open up a new field of broadcasting that permits small areas to have special 'flea-powered' stations across the nation. Brough's station has been proven to be much cheaper than a CBC repeater station-and more versatile, too. Now, ...is there anyone out there who wants to build a TV station?

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THE PIRATE STATION THE STATE OF IDAHO OPERATED

by Frank Aden, Jr.

The above article brought to mind an incident while I was still living in Idaho, before I had started DXing TV and FM.

It was February 1967 and I had been DXing BCB and SW seriously for about a year. The State Of Idaho had funded the first educational station, KUID ch. 12 in Moscow and the station had been only on the air for a few months.

The State Legislature was again in session. Some of the members wanted funding to be passed to start educational stations in Boise and Pocatello. They figured if the members of the legislature could see educational TV they would probably pass the funding bill.

There was a big problem though-KUID in Moscow was almost 200 miles away and was the nearest educational signal to Boise. Someone figured out that if they could get a phone line to Moscow set up to bring in KUID to the state Capitol Building they would solve the problem.

Both Boise TV stations at the time were installing transmitters in distant reception areas and one of the local stations decided to 'donate' a translator to rebroadcast the KUID signal. When they got the phone line donated the project went into effect.

For two weeks Boise had a 5-watt translator of KUID on ch. 5. KUID even ran IDs for the two weeks as "KUID ch. 12 Moscow, ch. 5 Boise." I wish today I had been TV DXing at the time as a photo of the special ID would be an incredible memento of TV-DX history.

After the two weeks passed most people forgot about the episode but the funding bill passed.

In 1972 Bill Frahm and myself were collecting information on early TV Broadcasting in Idaho and we interviewed the owner of the station which donated the translator for the rebroadcast. It was then we learned that the FCC had never approved the station nor had they ever been informed of the project. At the time of the rebroadcast I had taken it for granted they had obtained a license for the station. I still wonder today what might have happened if the FCC had found out about the illegal station. What if an E skip opening had occurred? I could see some poor DXer back in the midwest going nuts trying to figure out what he had seen.

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FROM THE STAFF

CONTINUED FROM PAGE 2

LATIN AMERICAN TV INFORMATION NEEDED... Up-to-date information on Latin American TV including the Caribbean is needed for the new **WTFDA STATION GUIDE**. If you have any information not in the first edition of the **GUIDE** or have monitored **LATIN AMERICAN TV** recently please write Frank Aden, Jr. Any station changes, technical information or schedules would be greatly appreciated.

CONVENTIONS 1978... The International Radio Club of America has announced it will hold its 1978 Convention in Portland OR, August 11, 12 and 13. 1977 **WTFDA** Convention hosts Bill Block and Frank Aden, Jr. are this years **IRCA** Convention hosts. The National Radio Club reports its 1978 Convention will be in Atlanta GA on September 1, 2 and 3.

FM SCOREBOARD-STATISTICS... Former **NORTHERN FM-DX** editor Fred Nordquist is the new editor for this column which will appear every other issue. Please send all possible FM records to Fred at 7945 Buxford Rd., Clay NY 13041.

MISSING ARTICLES... It has come to your editors attention that some technical articles sent to former editors have not been acknowledged or published in the **VID**. If you have sent a column in and have not received any communications about it, please contact editor Frank Aden, Jr.

NOAA WEATHER RADIO... Ken Simon has submitted a NOAA station list which appears on page 25. Gary Canler reports two new NOAA stations; **WXX41**, 162.475, Viola (Rochester) MN, and **WXX40**, 162.40 Janesville MN. **WXX40** covers the forecast of SE Minnesota and **WXX41** covers the south central area of Minnesota. Both forecasts originate from Rochester's National Weather Service Office. Both stations conduct tests of the emergency system which is to be used in case of severe weather. The tests are ran on Wednesday mornings between 11:00 AM and Noon, CDT.

PROPAGATION... Robert Goodson has written a very informing article on propagation which starts on page 29. This is the first part of a multi-section article. This month's article is on tropo.

FROM FEBRUARY... Mike Scheel reports the article on page 25, "TV PICTURE A NICE PRESENT FOR MOJAVE DESERT HAMLET" is about a translator of **KTAR-12** in Phoenix. He reports it was on the "TODAY SHOW" of Dec. 16, 1977. Translator is located on a mountain 5 miles east of Essex CA.

VHF UTILITY DX... This month's column contains 4 pages proving the coming DX season to be one of the best in many years. Pat Dyer requests more support from the western **PSB DXers**. Why not drop Pat a line with what you have been hearing on **PSB**, especially if your from the west!

FOREIGN TV... We have had a request for someone to write a log of all possible European low band F2 possibilities for North America. If you have access to current European TV information and want to help out write Frank Aden, Jr.

WRTH FM CHANGES... The remaining part of this article by Mike Dornier appears on page 23. The article was not in Bend in time for publication in March.

BOOTLEG TV... Two interesting articles on illegal TV start on page 27. One is by David Leibold and concerns the Brough Ontario TV Network and the other is about an illegal translator which operated in Idaho for two weeks.

CONVENTION 1978... In the largest turnout ever, a total of 70 votes were received for the 1978 Convention. Louisville received 36, Baltimore 30 and New Orleans 4. Anyone wishing a list of who voted for who please send HQ a SASE.

TELE-GUIA... The Mexican Consulate in San Francisco reports the address of the Mexican TV **GUIDE** type magazine to be: Tele Guia, Velazquez de Leon 104, Mexico, D.F., Mexico.



Post Office Box 202 - Whiting, Indiana 46394
WORLDWIDE TV-FM DX ASSOCIATION

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 TO BEAT**

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 ENTHUSIAST



DUES: USA and CANADA, \$11 (via first class); overseas, \$18 (via air mail)

The VHF-UHF DIGEST is the official publication of the Worldwide TV-FM DX Association. WTFDA is a non-profit organization and a member club in the Association of North American Radio Clubs (ANARC).

Persons contributing their efforts for the Worldwide TV-FM DX Association do so without any monetary compensation. Dues and all over revenue cover printing, postage, and other expenses.

The WTFDA is governed by a five-man board of directors, composed of Frank Aden, Jr., Morrie Goldman, Mike Hogan, Pete Oprisko and John Zondlo. ANARC representatives are Morrie Goldman, Pete Oprisko and John Zondlo.

EDITOR-IN-CHIEF Frank Aden, Jr.
 PUBLISHER Pete Oprisko
 CIRCULATION John Zondlo
 DISTRIBUTION Mike Hogan

COMPTROLLER Gary Olson
 BOOKKEEPER Bruce Elving
 PROCESSING Dave Janowiak
 LITERATURE Morrie Goldman

SUPPLIES and DX LITERATURE

WTFDA member rates only.

REPRINT SERVICE	Articles from May 1972 to the present are now available. A complete 1978 catalogue can be obtained from WTFDA HQ.	
VUD Back issues	Available: Jan 1975 issue to the present.	50¢ each
STATION SHORTCUTS	An Introduction to TV, FM, and VHF-UHF radio written and edited by prominent DXers.	\$1.00
TV STATION GUIDE	An accurate listing of North and Central American TV stations, featuring maps for each channel pinpointing their locations.	\$3.00 nonmember price, \$5
THE FM ATLAS AND STATION DIRECTORY (Hewlett Edition)	An accurate and detailed FM listing with maps and many special articles, written by Bruce F. Elving, VUD FCC-FM News editor.	\$3.50 via First Class
Club Rubber Stamp	Official WTFDA emblems as seen on the top of this page but 37 mm in diameter. Order from Weldon Patterson-Box 25 Adolph, MN 55701.	
WTFDA Stationery	Features the official WTFDA emblem as it is on top of this page printed in blue on bond.	45 sheets \$1.00
DX Log Sheets	These sheets are prepunched for a 3-ring binder. Great to keep DXer's running logs neat and organized.	Pad of 100 \$2.50
VUD Boxes	Attractive cases designed to keep copies of the VHF-UHF DIGEST organized.	
Station QSL Report forms	For requesting QSLs (verifications) from TV and FM stations. Now offset printed!	45 sheets \$1.00
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All columns and feature articles to be printed in any VUD issue should be sent to editor Frank Aden, Jr., 1535 NW Ithaca Ave., Bend OR 97701. All information for VUD columns should be sent to the appropriate editors; all club business (supply orders, etc.) should be sent to HQ in Whiting.

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